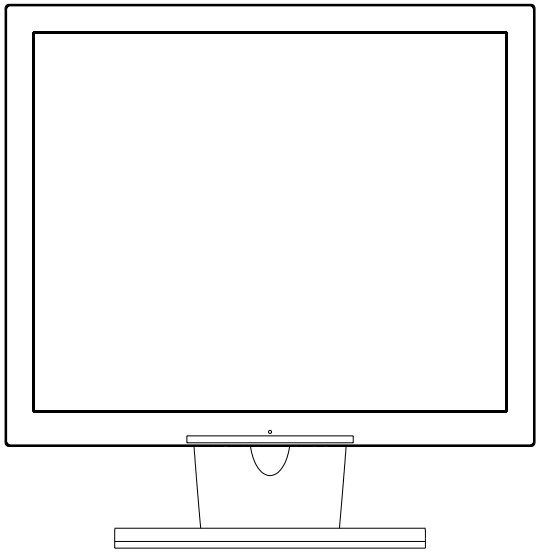
SAMSUNG

TFT-LCD MONITOR

GY15MS*/GY17MS*

SERVICE Manual

TFT-LCD MONITOR



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2 Product Specifications

2-1 Specifications

Item	Description	
	GY15MS*	GY17MS*
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black transmissive, 15-Inch viewable, 0.297 (H) x 0.297 (V) mm pixel pitch	TFT-LCD panel, RGB vertical stripe, normally black transmissive, 17-Inch viewable, 0.264 (H) x 0.264 (V) mm pixel pitch
Scanning Frequency	Horizontal : 30 kHz ~ 61 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz	Horizontal : 31 kHz ~ 81 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz
Display Colors	16.2 Million colors	
Maximum Resolution	Horizontal : 1024 Pixels Vertical : 768 Pixels	Horizontal : 1280 Pixels Vertical : 1024 Pixels
Input Video Signal	Analog, 0.714 Vp-p ± 5% positive at 75 Ω, internally terminated	
Input Sync Signal	Type : Separate H/V sync, Composite H/V Level : TTL level (V high ≥ 2.0 V, V low ≤ 0.8 V), Sync-on-Green (≤ –0.25 V)	
Maximum Pixel Clock rate	80 MHz	135 MHz
Active Display Horizontal/Vertical	304.1 mm / 228.1 mm	338 ± 3 mm / 270 ± 3 mm
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60/50 Hz ± 12V / 3A	AC 90 ~ 264 Volts, 60/50 Hz ± 3 Hz
Power Consumption	32W (normal)	42 W (max), 40W (normal)
Dimensions Set (W x D x H) Package	13.9 x 1.9 x 12.0 Inches (353.9 x 48.4 x 304.7 mm) Without stand 13.9 x 6.0 x 14.2 Inches (353.9 x 152.0 x 360.0 mm) With Stand 17.0 x 16.8 x 6.6 Inches (432.0 x 427.0 x 167.0 mm)	15.0 x 1.9 x 13.5 Inches (382.0 x 47.0 x 343.0 mm) Without stand 15.0 x 7.0 x 17.1 Inches (382.0 x 177.0 x 435.0 mm) With Stand 17.0 x 16.8 x 6.6 Inches (432.0 x 427.0 x 167.0 mm)
Weight (Set/Package)	3.8 kg (8.4 lbs) / 5.3 kg (11.7 lbs)	4.9 kg (10.8 lbs) / 6.5 kg (14.3 lbs)
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5 % ~ 95 %	

- GY15MS*/GY17MS* complies with SWEDAC (MPRII) recommendations for reduced electromagnetic fields.
- Designs and specifications are subject to change without prior notice.

2-2 Pin Assignments

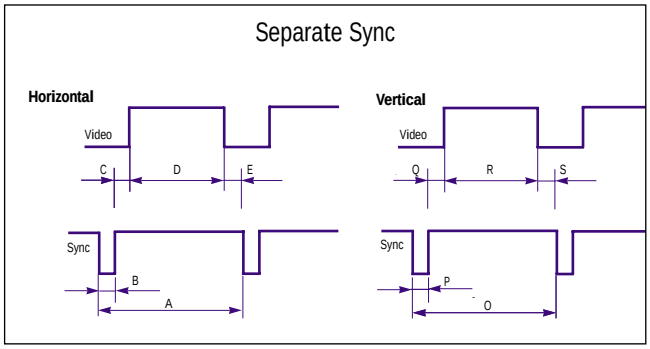
Sync Type / Pin No.	15-Pin D-Sub Signal Cable Connector		
	Separate	**Composite**	**Sync-on-green**
1	Red	Red	Red
2	Green	Green	Green + H/V Sync.
3	Blue	Blue	Blue
4	GND	GND	GND
5	DDC Return (GND)	DDC Return (GND)	DDC Return (GND)
6	GND-R	GND-R	GND-R
7	GND-G	GND-G	GND-G
8	GND-B	GND-B	GND-B
9	DDC Power Input (+5V)	DDC Power Input (+5V)	DDC Power Input (+5V)
10	Self Raster	Self Raster	Self Raster
11	GND	GND	GND
12	Bi-Dr Data (SDA)	Bi-Dr Data (SDA)	Bi-Dr Data (SDA)
13	H-Sync.	H/V-Sync.	Not Used
14	V-Sync.	Not Used	Not Used
15	DDC Clock (SCL)	DDC Clock (SCL)	DDC Clock (SCL)

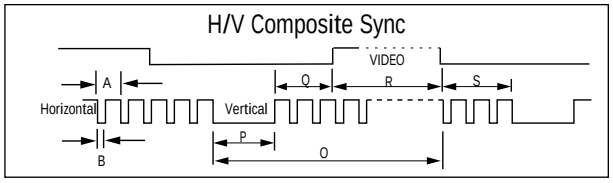
2-3 Timing Chart

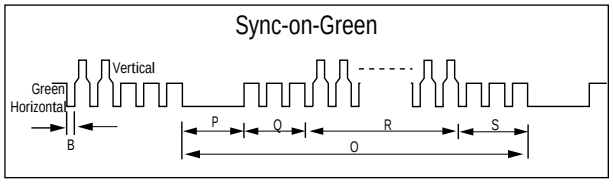
This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

Table 2-1 Timing Chart

Mode / Timing	IBM		VESA					VESA (GY17MS*)	
	VGA2/ 70 Hz 720 x 400	VGA3/ 60 Hz 640 x 480	640/75 Hz 640 x 480	800/60 Hz 800 x 600	800/75 Hz 800 x 600	1024/60 Hz 1024 x 768	1024/75 Hz 1024 x 768	1280/60 Hz 1280 x 1024	1280/75 Hz 1280 x 1024
fH (kHz)	31.469	31.469	37.500	37.879	46.875	48.363	60.023	63.981	79.975
A µsec	31.777	31.778	26.667	26.400	21.333	20.677	16.660	11.852	12.504
B µsec	3.813	3.813	2.032	3.200	1.616	2.092	1.219	1.037	1.067
C µsec	1.589	1.589	3.810	2.200	3.232	2.462	2.235	2.296	1.837
D µsec	26.058	26.058	20.317	20.000	16.162	15.754	13.003	9.259	9.481
E µsec	0.318	0.318	0.508	0.000	0.323	0.369	0.203	0.000	0.119
fV (Hz)	70.087	59.940	75.000	60.317	75.000	60.004	75.029	60.020	75.025
O msec	14.268	16.683	13.333	16.579	13.333	16.666	13.328	16.005	13.329
P msec	0.064	0.064	0.080	0.106	0.064	0.124	0.050	0.047	0.038
Q msec	0.858	0.794	0.427	0.607	0.448	0.600	0.466	0.594	0.475
R msec	13.155	15.761	12.800	15.840	12.800	15.880	12.795	15.630	12.804
S msec	0.191	0.064	0.027	0.0261	0.021	0.062	0.017	0.016	0.013
Clock Freq. (MHz)	28.322	26.175	31.500	40.000	49.500	75.000	78.750	108.000	135.000
Polarity H.Sync	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Positive
V.Sync	Positive	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate







A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the GY15MS*/GY17MS* TFT-LCD monitors.

WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

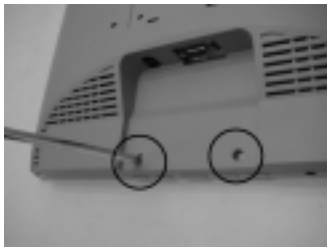
3-1 Disassembly

Cautions: 1. Disconnect the monitor from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.
3. R/Cover opening jig : BH81-00001A

3-1-1 GY15MS*

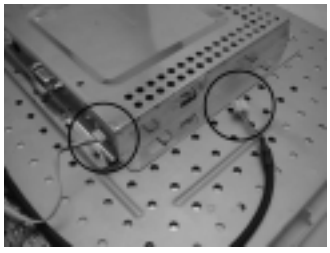
1. Place monitor face down on cushioned table. Remove 2 screws from grip on the stand and remove signal cable.

   CAUTION : Always securely hold the stand to remove a screw. Failure to do so may cause the stand to topple or fall onto your feet.

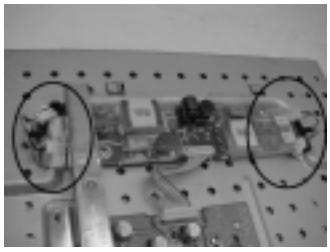
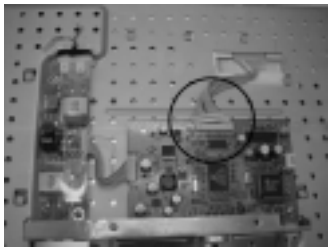


2. Remove 2 screws from the rear cover. Insert the opening jig into the grooves at each side and press until it clicks.

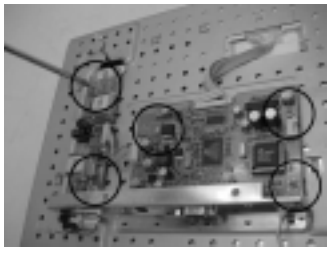
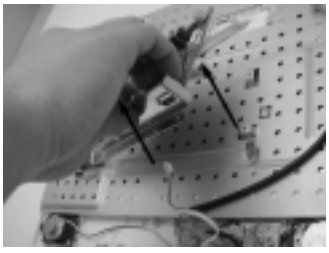
3. Open the rear cover and remove 2 screws from the shield.



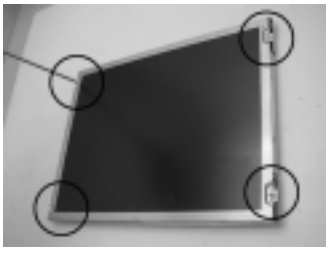
4. Disconnet function cable and audio board cable. Pull the shield-PCB.

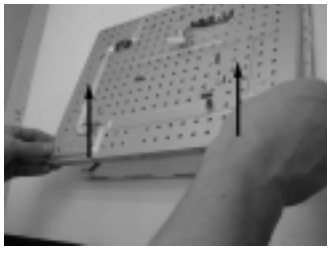
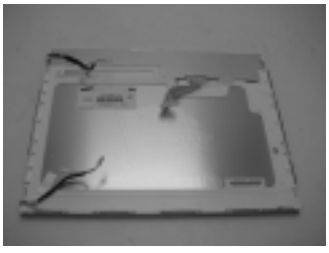
5. Disconnect inverter cable and LVDS cable. (see illustrations)

6. Remove 5 screws from the main board and lift up main board.



7. Remove cover front from the panel and remove 4 screws from the shield panel.

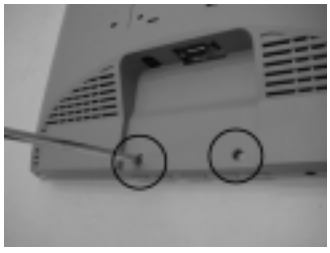



8. Lift up shield from the panel.

3-1-2 GY17MS*

1. Place monitor face down on cushioned table. Remove 2 screws from grip on the stand and remove signal cable.

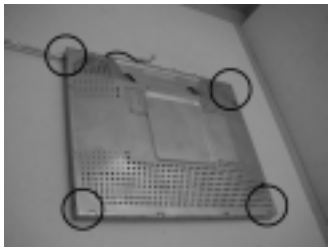
   CAUTION : Always securely hold the stand to remove a screw. Failure to do so may cause the stand to topple or fall onto your feet.



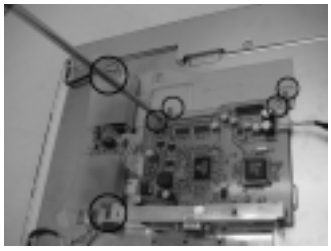
2. Remove 2 screws from the rear cover. Insert the opening jig into the grooves at each side and press until it clicks.

3. Open the rear cover and remove 2 screws from the shield.

4. Disconnect function cable and audio board.

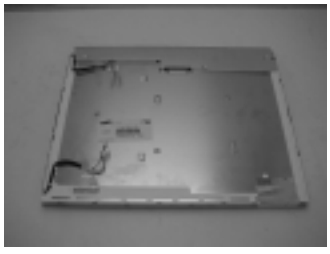


5. Remove cover front from the panel and remove 4 screws from the shield panel.



6. Lift up the shield and disconnect LVDS cable from the main board and remove 6 screws from the main board.

7. Disconnect inverter cable and lift up main board.



8. This picture is removed main board from the panel.

3-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

4 Alignments and Adjustments

This section of the service manual explains how to use the RS232 JIG.
This function is needed for AD board change and program memory (IC110) change.

4-1 Required Equipment

The following equipment is necessary for adjusting the monitor:

- Computer with Windows 95, Windows 98, or Windows NT.
- MTI-2031 DDC MANAGER JIG

4-2 Automatic Color Adjustment

To input video, use 16 gray or any pattern using black and white.

1. Select english for OSD language.
2. Press the “Exit” key for 5 seconds.

4-3 DDC EDID Data Input

1. Input DDC EDID data when replacing AD PCB.
2. Receive / Download the proper DDC file for the model from HQ quality control department. Install the below jig (Figure 1) and enter the data.

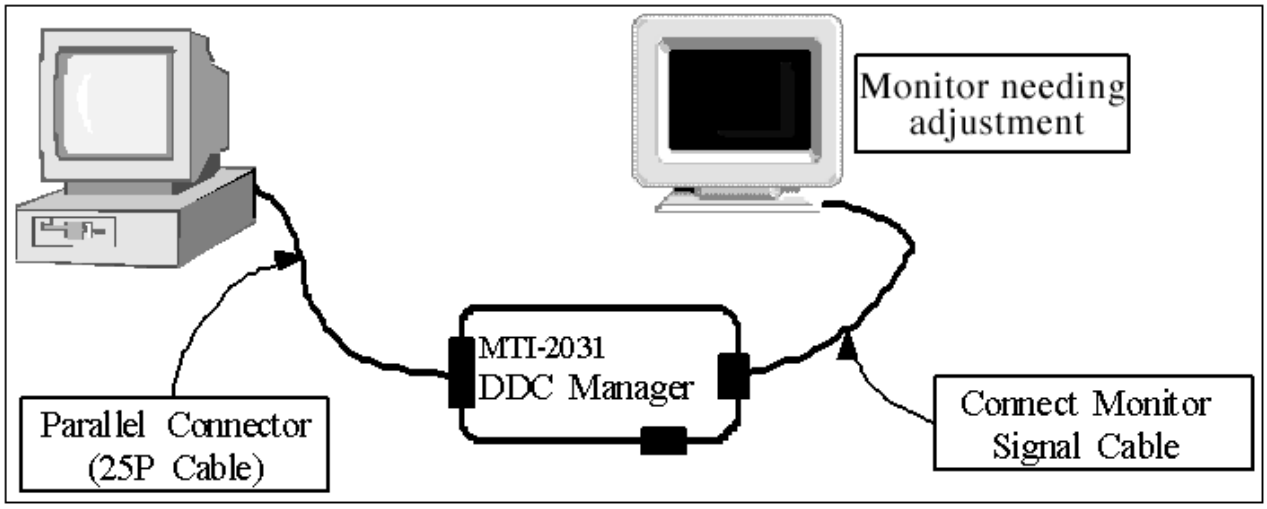


Figure 1.

4-4 OSD Adjustment When Replacing Panel

1. Adjust brightness and contrast to 0. Then, press the exit key for 5 second. Service function OSD will appear on screen.
2. Press the + key to place the cursor on the panel. Press the menu key for 5 seconds.

4-5 OSD Adjustment When Replacing Lamp Only

1. Adjust brightness and contrast to 0. Then, press the exit key for 5 seconds. Service function OSD will appear on the screen.
2. Press the + key. Select upper lamp and press the menu key for 5 seconds. Then, select lower lamp and press the menu key for 5 seconds.

✵ ***Note :*** *Please be sure to read the following instructions for details on service function.*

4-6 Service Function Spec.

4-6-1 How to Display Service Function OSD

1. The value for brightness and contrast should be changed to zero.
2. Within 5 seconds, press the exit key.
3. Service function OSD will be displayed.

※ If you want to disable the service function OSD, you will have to power off.

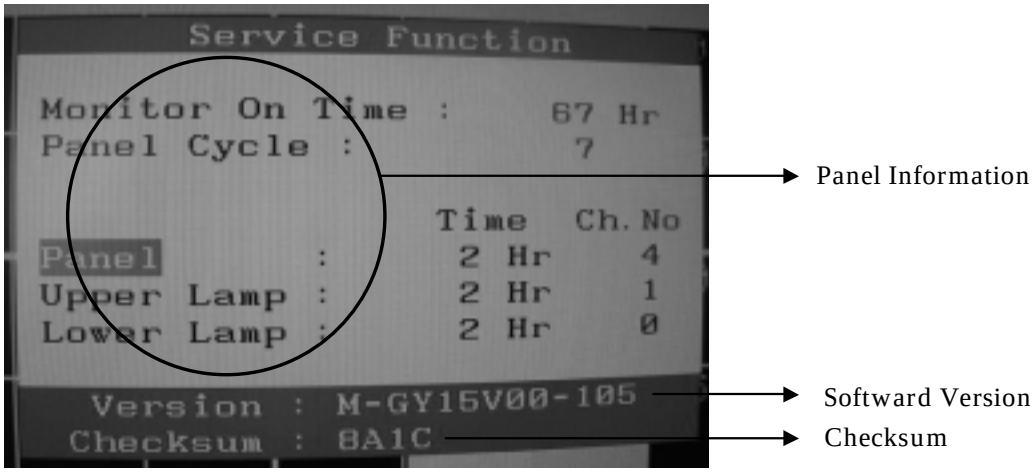


Figure 2. The example of service function OSD

The service function OSD is based on a grid of 29 columns x 12 rows.
The service function OSD consists of panel information, software version and MICOM checksum.

4-6-2 How to Control Service Function OSD

1. With the panel selected on OSD, whenever you press the right key, the base color will change to blue from “Panel” to “Upper Lamp”, “Lower Lamp”.

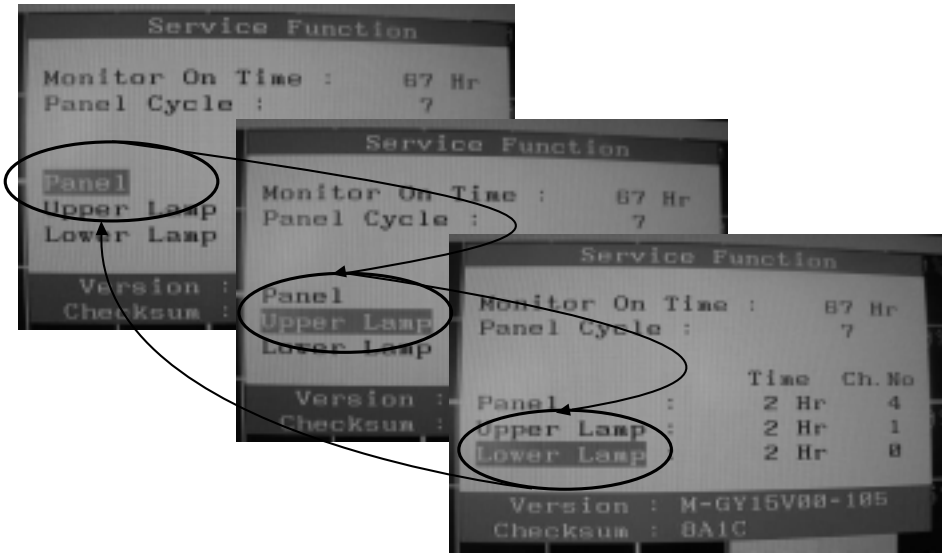


Figure 3.

4-6-3 How to Control Service Function OSD

• After change the panel or lamp, you must reset service function OSD.

• The case of panel change

After changeing the panel, press the menu key within 5 seconds,.
Then, panel Ch. No increases one step and the panel time information is reset to zero.
Simultaneously, other information is reset to zero (Upper / Lower lamp, Panel cycle).

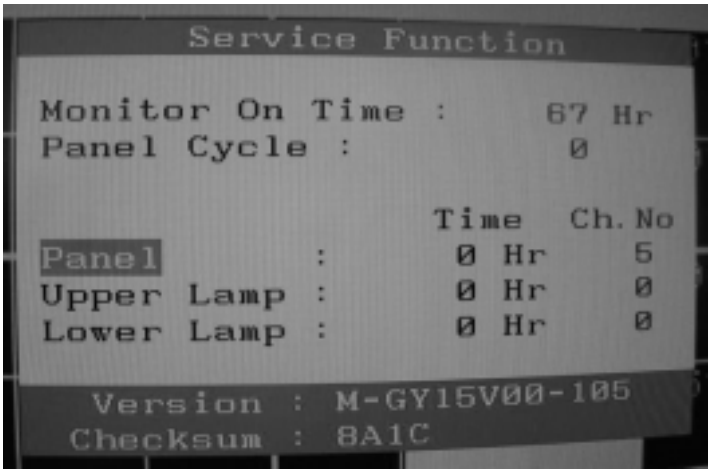

Service Function
Monitor On Time : 67 Hr
Panel Cycle : 0
Time Ch. No
Panel : 0 Hr 5
Upper Lamp : 0 Hr 0
Lower Lamp : 0 Hr 0
Version : M-GY15V00-105
Checksum : 8A1C

Figure 4.

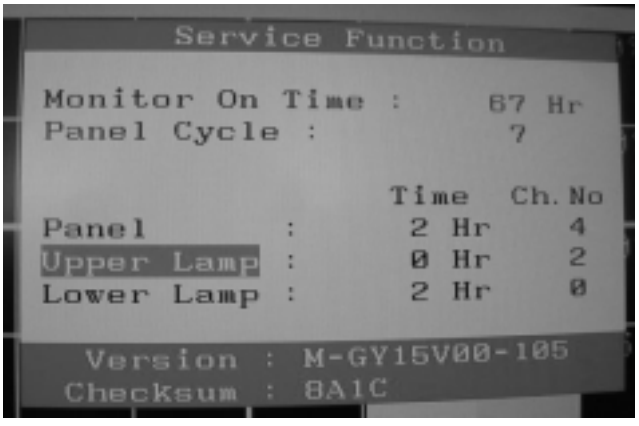
4-6-4 How to Control Service Function OSD

• In the case of Upper Lamp or Lower Lamp change

After changeing the Upper Lamp or Lower Lamp,

1. Select the Upper Lamp or Lower Lamp
2. Press the Menu key within an 5 seconds.

Then, Ch. No and time will be reset to zero (selected item only).


Service Function
Monitor On Time : 67 Hr
Panel Cycle : 7
Time Ch. No
Panel : 2 Hr 4
Upper Lamp : 0 Hr 2
Lower Lamp : 2 Hr 0
Version : M-GY15V00-105
Checksum : 8A1C

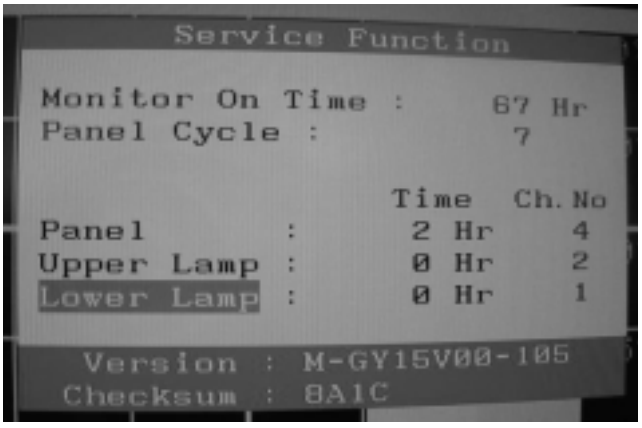

Service Function
Monitor On Time : 67 Hr
Panel Cycle : 7
Time Ch. No
Panel : 2 Hr 4
Upper Lamp : 0 Hr 2
Lower Lamp : 0 Hr 1
Version : M-GY15V00-105
Checksum : 8A1C

Figure 5, 6.

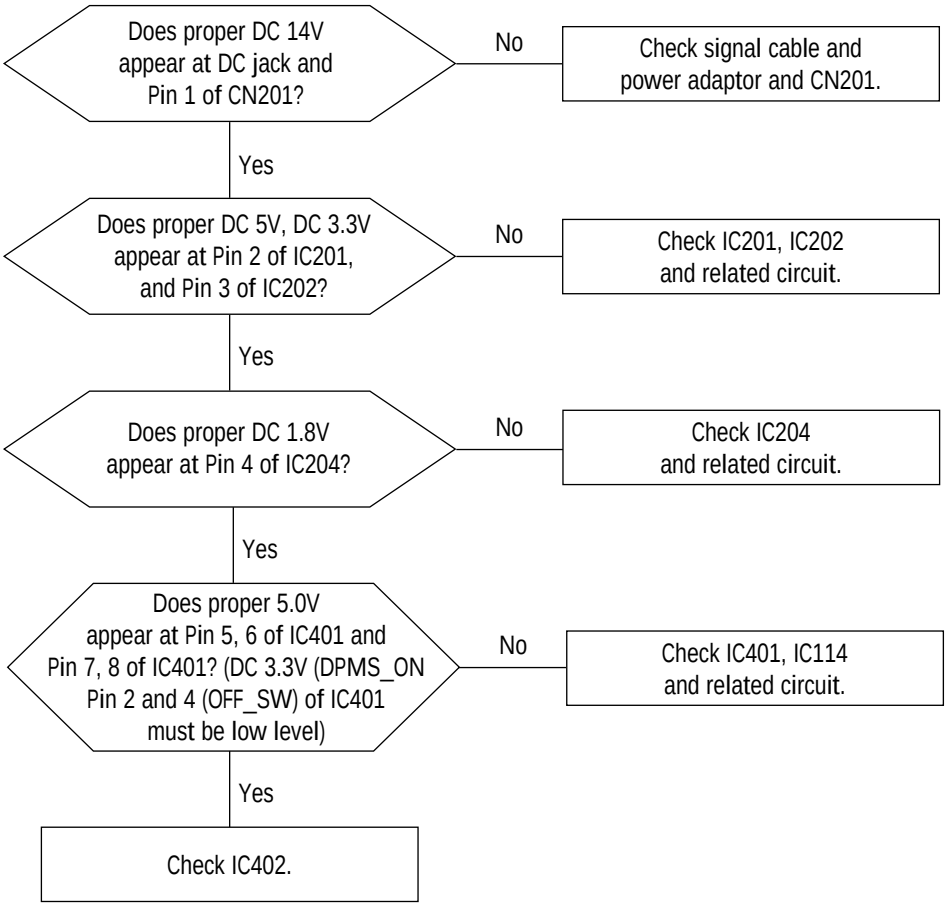
5-1 Troubleshooting (GY15MS*)

Notes: 1. Before troubleshooting, setup the PC's display as below.
- Resolution: 1024 x 768
- H-frequency: 61 kHz
- V-frequency: 75 Hz

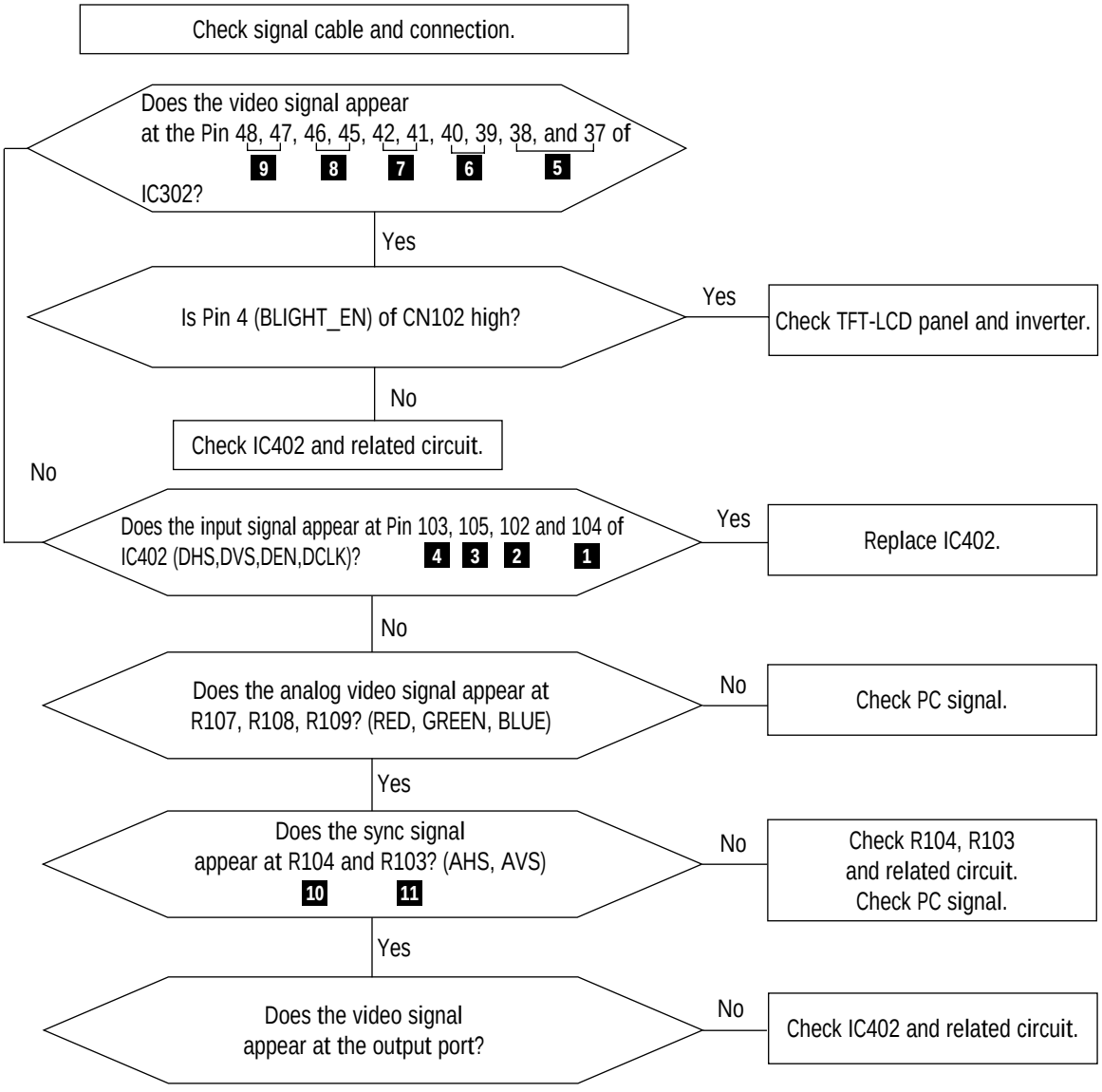
2. If no picture appears, make sure the power cord is correctly connected.
3. Check the following circuits.
- No raster appears: Stand PCB, Main PCB
- 14V develop but no screen: Main PCB
- 14V does not develop: Main PCB

4. If you push and hold the Exit for more than 5 seconds, the monitor automatically turns back to the factory preset.

5-1-1 No Power


Does proper DC 14V appear at DC jack and Pin 1 of CN201?
No
Check signal cable and power adaptor and CN201.
Yes
Does proper DC 5V, DC 3.3V appear at Pin 2 of IC201, and Pin 3 of IC202?
No
Check IC201, IC202 and related circuit.
Yes
Does proper DC 1.8V appear at Pin 4 of IC204?
No
Check IC204 and related circuit.
Yes
Does proper 5.0V appear at Pin 5, 6 of IC401 and Pin 7, 8 of IC401? (DC 3.3V (DPMS_ON Pin 2 and 4 (OFF_SW) of IC401 must be low level)
No
Check IC401, IC114 and related circuit.
Yes
Check IC402.

5-1-2 No Video [Analog]



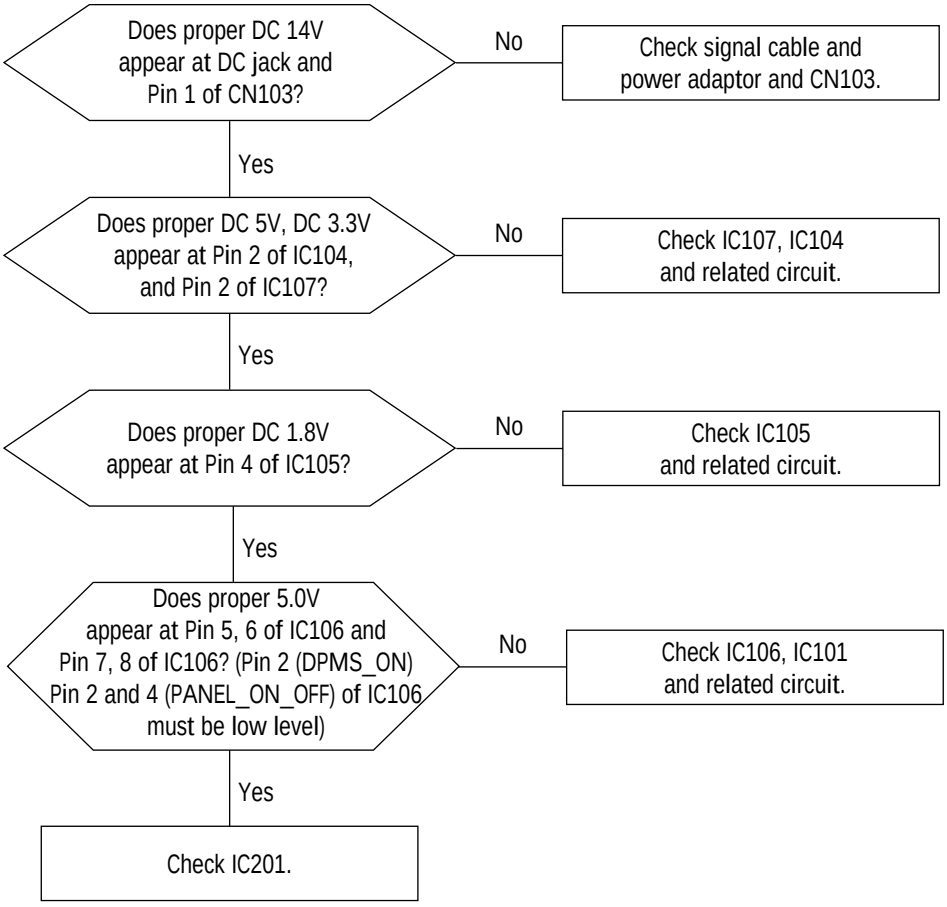
5-2 Troubleshooting (GY17MS*)

Notes: 1. Before troubleshooting, setup the PC's display as below.
- Resolution: 1280 x 1024
- H-frequency: 81 kHz
- V-frequency: 75 Hz

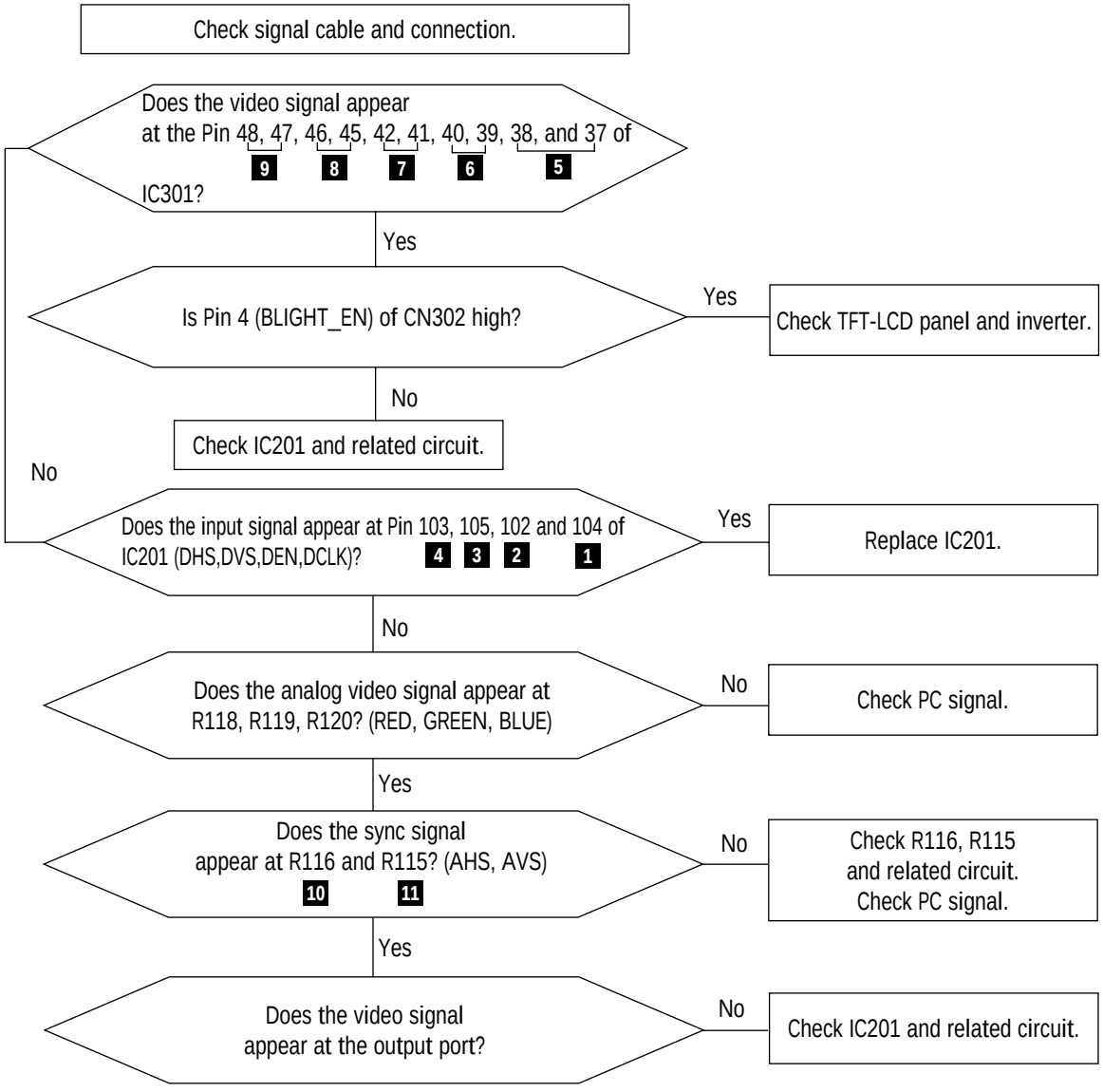
2. If no picture appears, make sure the power cord is correctly connected.
3. Check the following circuits.
- No raster appears: Stand PCB, Main PCB
- 14V develop but no screen: Main PCB
- 14V does not develop: Main PCB

4. If you push and hold the Exit for more than 5 seconds, the monitor automatically turns back to the factory preset.

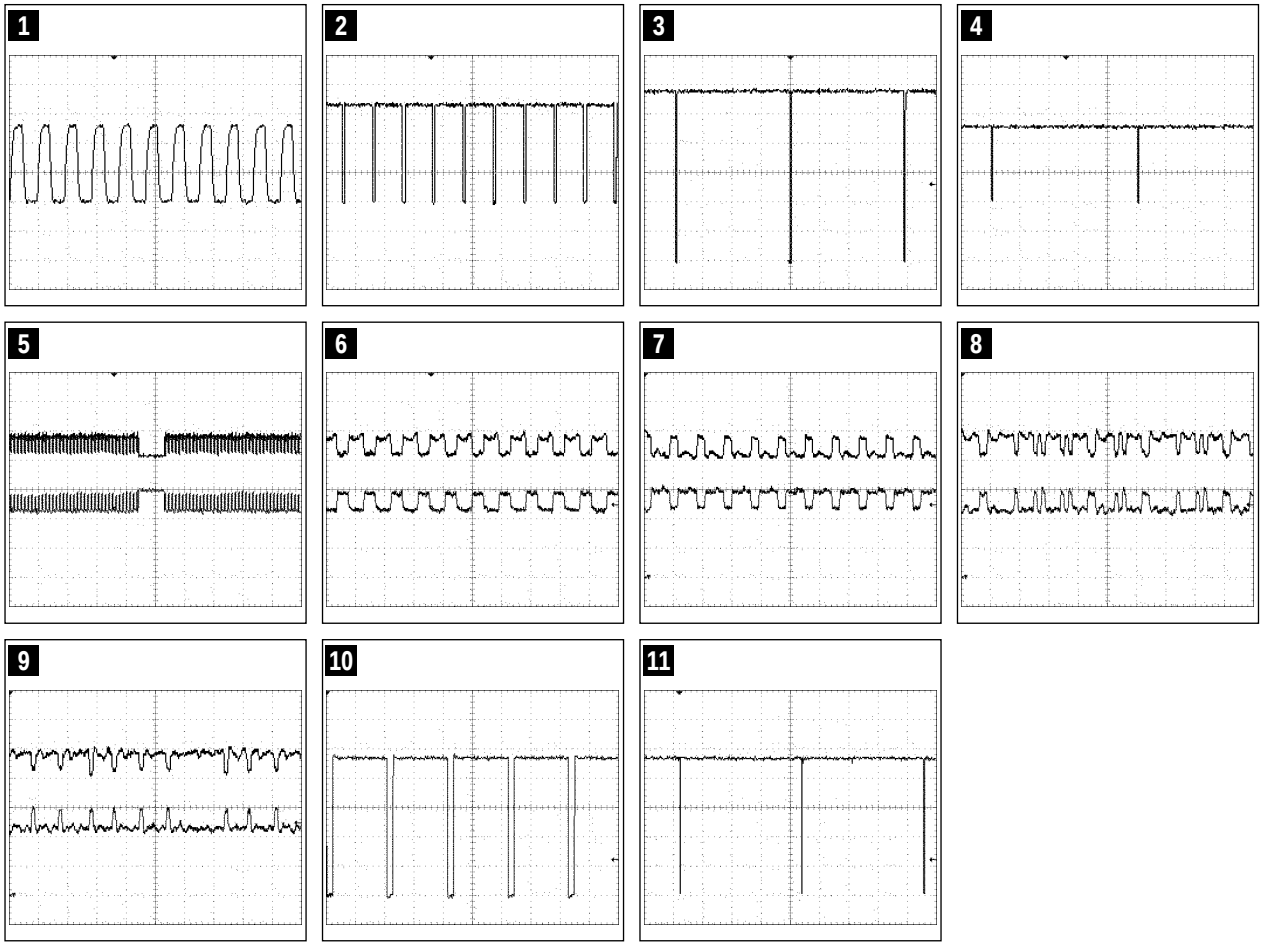
5-2-1 No Power


Does proper DC 14V appear at DC jack and Pin 1 of CN103?
No
Check signal cable and power adaptor and CN103.
Yes
Does proper DC 5V, DC 3.3V appear at Pin 2 of IC104, and Pin 2 of IC107?
No
Check IC107, IC104 and related circuit.
Yes
Does proper DC 1.8V appear at Pin 4 of IC105?
No
Check IC105 and related circuit.
Yes
Does proper 5.0V appear at Pin 5, 6 of IC106 and Pin 7, 8 of IC106? (Pin 2 (DPMS_ON) Pin 2 and 4 (PANEL_ON_OFF) of IC106 must be low level)
No
Check IC106, IC101 and related circuit.
Yes
Check IC201.

5-2-2 No Video [Analog]



WAVEFORMS

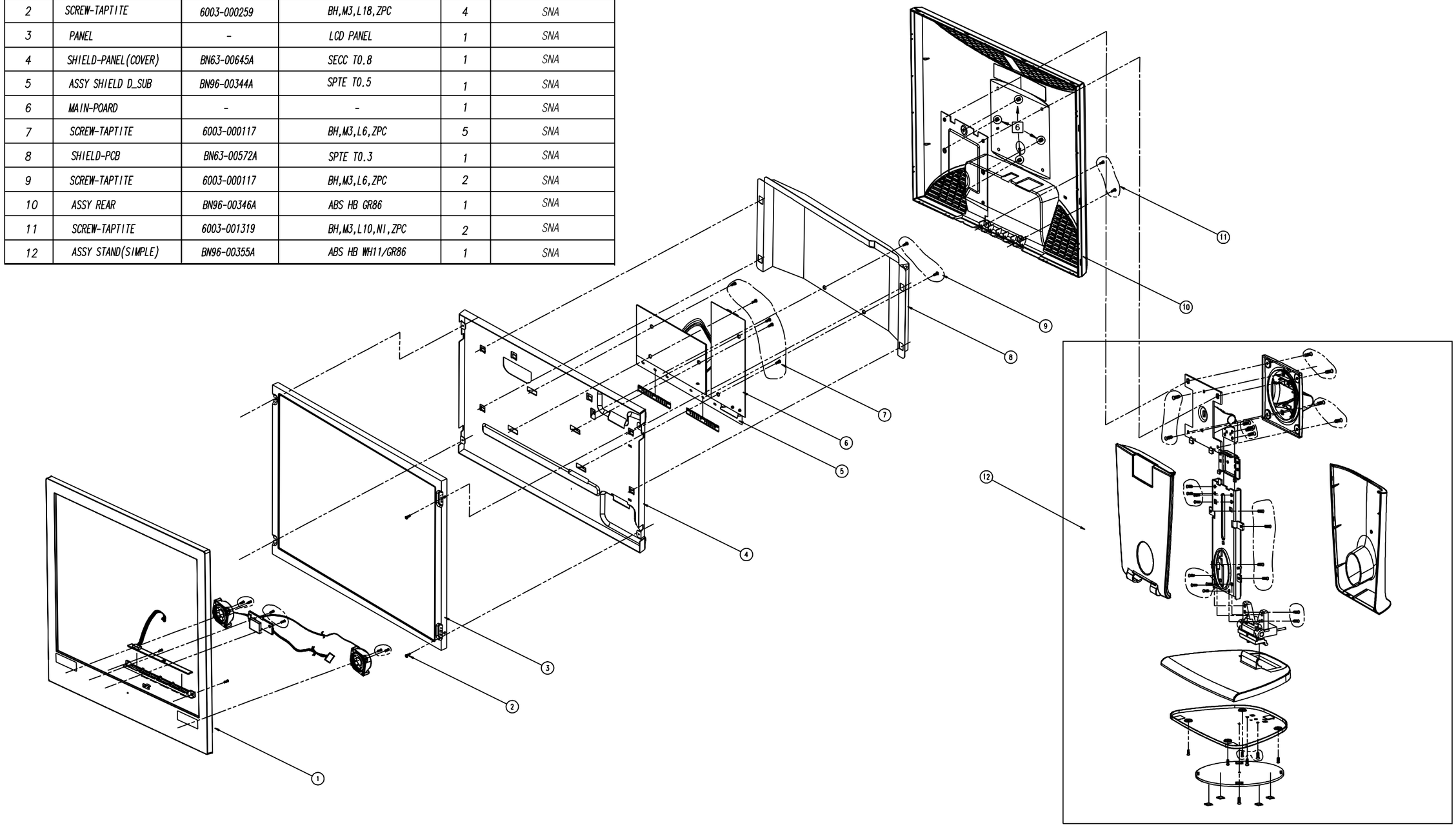


6 Exploded View and Parts List

✵ You can search for updated part codes through CMS web site.
URL : http: / / ecms. samsungelectronics. com /

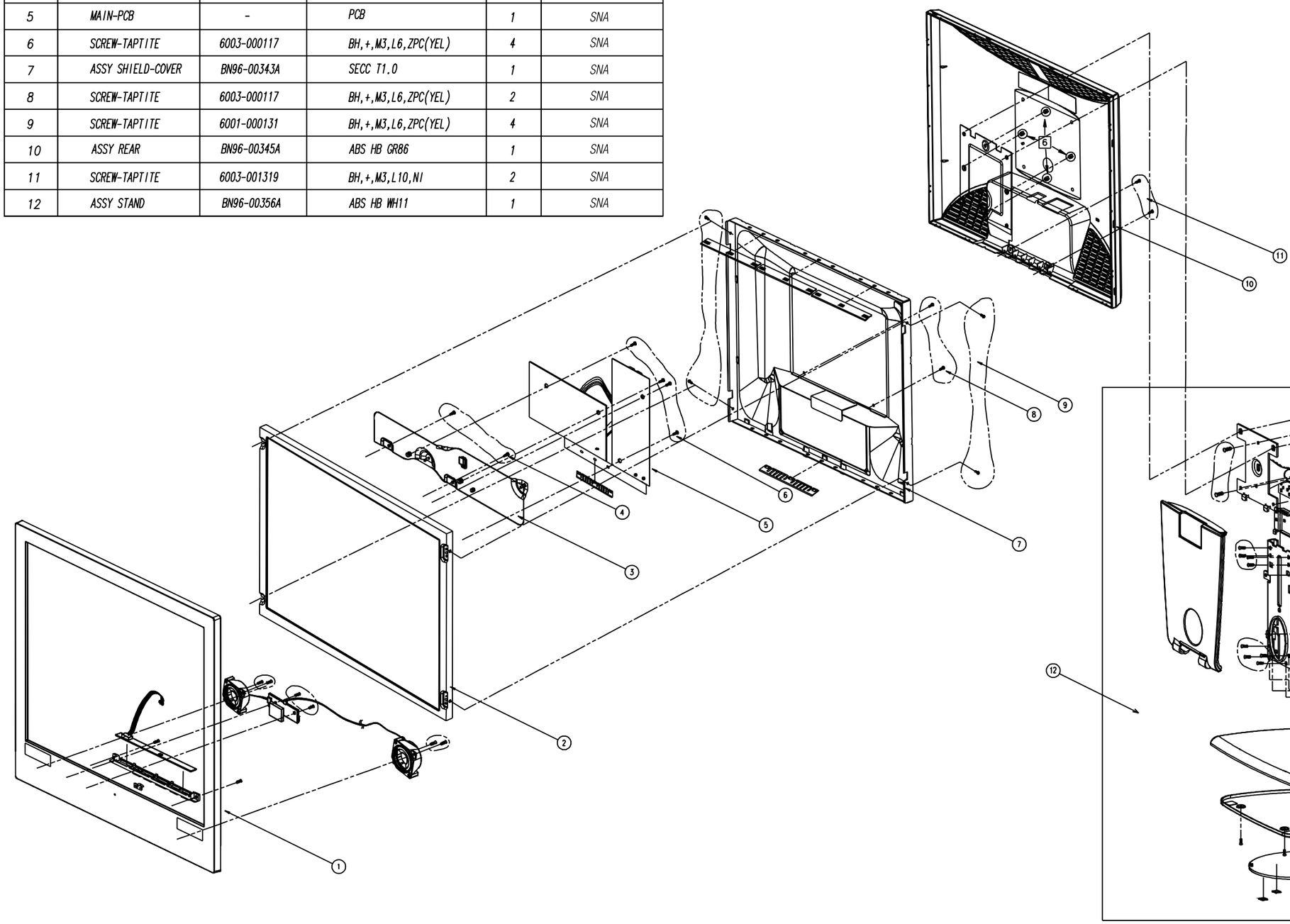
6-1 GY15MS*

No.	DESCRIPTION	CODE No.	SPECIFICATION	Q'ty	REMARK
1	ASSY,COVER-FRONT	BN96-00350A	ABS HB WH11	1	SNA
2	SCREW-TAPTITE	6003-000259	BH,M3,L18,ZPC	4	SNA
3	PANEL	-	LCD PANEL	1	SNA
4	SHIELD-PANEL(COVER)	BN63-00645A	SECC T0.8	1	SNA
5	ASSY SHIELD D_SUB	BN96-00344A	SPTE T0.5	1	SNA
6	MAIN-POARD	-	-	1	SNA
7	SCREW-TAPTITE	6003-000117	BH,M3,L6,ZPC	5	SNA
8	SHIELD-PCB	BN63-00572A	SPTE T0.3	1	SNA
9	SCREW-TAPTITE	6003-000117	BH,M3,L6,ZPC	2	SNA
10	ASSY REAR	BN96-00346A	ABS HB GR86	1	SNA
11	SCREW-TAPTITE	6003-001319	BH,M3,L10,NI,ZPC	2	SNA
12	ASSY STAND(SIMPLE)	BN96-00355A	ABS HB WH11/GR86	1	SNA



6-2 GY17MS*

No.	DESCRIPTION	CODE No.	SPECIFICATION	Q'ty	REMARK
1	ASSY,COVER-FRONT	BN96-00349A	ABS HB WH11	1	SNA
2	PANEL	-	LCD-PANEL	1	SNA
3	BRKT-PCB	BN61-00391A	SECC T0.8	1	SNA
4	SCREW-MACHINE	6001-001692	BH,+,S,M3,L3,ZPC(YEL)	2	SNA
5	MAIN-PCB	-	PCB	1	SNA
6	SCREW-TAPTITE	6003-000117	BH,+,M3,L6,ZPC(YEL)	4	SNA
7	ASSY SHIELD-COVER	BN96-00343A	SECC T1.0	1	SNA
8	SCREW-TAPTITE	6003-000117	BH,+,M3,L6,ZPC(YEL)	2	SNA
9	SCREW-TAPTITE	6001-000131	BH,+,M3,L6,ZPC(YEL)	4	SNA
10	ASSY REAR	BN96-00345A	ABS HB GR86	1	SNA
11	SCREW-TAPTITE	6003-001319	BH,+,M3,L10,NI	2	SNA
12	ASSY STAND	BN96-00356A	ABS HB WH11	1	SNA



7 Electrical Parts List

❋ You can search for updated part codes through CMS web site.
URL : http:/ /ecms. samsungelectronics. com/

7-1-1 GY15MS* Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
-	BN94-00446G	ASSY PCB MAIN-SX	GY15MS	SNA
C120	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
C214	2409-001044	C-ORGANIC	100UF,+-20%,16V,WT,TP,8X10.5,5	
C243	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
C272	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
C273	2401-002463	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	
C276	2401-002463	C-AL	470uF,20%,16V,GP,TP,8x11.5,5	
C80	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
CIS01	0202-001044	SOLDER-WIRE.	S63S-W3.0,S63S,D3,63Sn/37Pb,-	SNA
CIS02	0204-001677	FLUX	DF-201TVS,MIX,0.820,FLUX 13%,G	SNA
CIS03	0202-001222	SOLDER-WIRE FLUX	RS-107,RS60-1.2AA,D1.2,SN60/PB40,-	SNA
CIS04	0204-001095	THINNER	#4520,-,-,-	SNA
CN101	3701-001219	CONNECTOR-DSUB	15P,3R,FEMALE,ANGLE,AUF	
CN201	3722-000117	JACK-DC POWER	3P,3.5MM,AG,BLK,NO	SNA
CN202	3711-004068	CONNECTOR-HEADER	BOX,5P,1R,2MM,ANGLE,SN,WHT	
FT50	2701-000179	INDUCTOR-AXIAL	33uH,10%,4.2x9.8mm	
IC203	1204-001833	IC-VOLUME CONTROL	TDA7496L,DIP,20P,-,PLASTIC,26V,6W,0TO+70C,ST,AMP&VOLUME CONTROL	
-	BN97-00210P	ASSY MICOM	GY15MS	SNA
CIS	BN82-00089X	A/S MICOM	GY15MS	SNA
IC303	0903-001266	IC-MICROCONTROLLER	NT68F63,8BIT,PLCC,44P,653MIL,12MHZ,ST,CMOS,PLASTIC,5V,-,-0TO+70C,256B,4KB,-,-,MC	SNA
-	BN97-00211G	ASSY SMD-SX	GY15MS	SNA
BD100	3301-000314	CORE-FERRITE BEAD	AB,120ohm,1.6x0.8x0.8mm,150mA,TP,FERRITE,0.2ohm	SNA
BD101	3301-000314	CORE-FERRITE BEAD	AB,120ohm,1.6x0.8x0.8mm,150mA,TP,FERRITE,0.2ohm	SNA
BD102	3301-000314	CORE-FERRITE BEAD	AB,120ohm,1.6x0.8x0.8mm,150mA,TP,FERRITE,0.2ohm	SNA
C102	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C105	2203-000236	C-CERAMIC,CHIP	0.1NF,5%,50V,C0G,TP,1608	
C106	2203-000626	C-CERAMIC,CHIP	0.022NF,5%,50V,C0G,TP,1608	
C107	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C108	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C109	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C110	2203-000332	C-CERAMIC,CHIP	0.012NF,5%,50V,C0G,TP,1608	
C111	2203-000332	C-CERAMIC,CHIP	0.012NF,5%,50V,C0G,TP,1608	
C112	2203-000332	C-CERAMIC,CHIP	0.012NF,5%,50V,C0G,TP,1608	
C113	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C116	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C117	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C118	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C119	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C123	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C124	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C125	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C126	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C202	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C203	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C204	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
C205	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C206	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C207	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C208	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C209	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C210	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C211	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C212	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C213	2402-001044	C-AL,SMD	100UF,20%,25V,GP,TP,8.3X8.3X6.3MM	
C215	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C216	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C217	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C218	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C219	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C220	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C221	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C222	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C223	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C224	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C225	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C226	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C227	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C228	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C229	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C230	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C231	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C232	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C233	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C234	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C235	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C236	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C237	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C238	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C239	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C244	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C245	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C246	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C247	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C248	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C249	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C250	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C251	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C252	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C254	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C255	2402-000209	C-AL,SMD	22uF,20%,16V,WT,TP,5.3x5.3mm,1	
C256	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C257	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C260	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C270	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C271	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C274	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C275	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	

Loc. No.	Code No.	Description	Specification	Remarks
C277	2402-000170	C-AL,SMD	1uF,20%,50V,GP,TP,4.3x4.3x5.4,	
C278	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C279	2203-000236	C-CERAMIC,CHIP	0.1NF,5%,50V,C0G,TP,1608	
C280	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C281	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C282	2203-000236	C-CERAMIC,CHIP	0.1NF,5%,50V,C0G,TP,1608	
C283	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C284	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C304	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C305	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C306	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C307	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C308	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C309	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C310	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C311	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C312	2203-000384	C-CERAMIC,CHIP	0.015NF,5%,50V,C0G,TP,1608	
C313	2203-000426	C-CERAMIC,CHIP	0.018NF,5%,50V,C0G,TP,1608	
C314	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C315	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C316	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C320	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C321	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C322	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C323	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C324	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C325	2203-000626	C-CERAMIC,CHIP	0.022NF,5%,50V,C0G,TP,1608	
C326	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C327	2203-000626	C-CERAMIC,CHIP	0.022NF,5%,50V,C0G,TP,1608	
C328	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C330	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C332	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C333	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C334	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C335	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C336	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C337	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C338	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C339	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C600	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
CIS05	0202-001162	SOLDER-CREAM	RMA-20-21L,S63,-,SN63/PB36.6/AG0.4,FLUX9.5%	SNA
CN102	3711-000556	CONNECTOR-HEADER	BOX,12P,1R,1.25mm,SMD-A,SN	SNA
CN103	3711-004934	CONNECTOR-HEADER	BOX,5P,1R,1.25MM,SMD-A,SN,WHT	
CN401	3711-003161	CONNECTOR-HEADER	BOX,20P,1R,1.25MM,SMD-A,SN,BEG	
D101	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D102	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D103	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D104	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D105	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D106	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D201	0402-000553	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	
FT102	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	

Loc. No.	Code No.	Description	Specification	Remarks
FT201	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT202	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT301	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT302	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT303	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT304	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
IC113	1204-001551	IC-VIDEO SYSTEM	GS1881,SOIC,8P,150MIL,PLASTIC,13.2V,-,0TO+70C,TP,VIDEO SYNC SEPARATOR	
IC114	0803-000117	IC-TTL	74F14,INVERTER,SOP,14P,150MIL,	
IC201	1203-002796	IC-DC/DC CONVERTER	AP1501-33K5A,TO-263-5L,5P,-,PLASTIC,3.135/3.465V,-,-40TO+125C,3A,-,TP	
IC202	1203-001488	IC-POSI.FIXED REG.	7805,T0-252,3P,-,PLASTIC,4.8/5	
IC204	1203-002844	IC-VOLTAGE REGULATOR	AP1117D-18A,TO-252-3L,3P,6.7X5.6MM,PLASTIC,1.764/1.836V,-,0TO+150C,1A,-,TP	
IC205	0505-001772	FET-SILICON	FDS9933A,P,-20V,-3.8A,0.075OHM,2W,SO-8	
IC302	1205-002334	IC-TRANSMITTER	EL-LV385,TSSOP,56P,14X6.1MM,PLASTIC,3.45V,-,0TO+70C,TP,-	
IC303	0903-001266	IC-MICROCONTROLLER	NT68F63,8BIT,PLCC,44P,653MIL,12MHZ,ST,CMOS,PLASTIC,5V,-,0TO+70C,256B,4KB,-,-,MC	SNA
IC304	1103-001023	IC-EEPROM	524C80D81,1028x8Bit,SOP,8P,150MIL,10mS,5V,10%,PLASTIC,0to+70C,110uA,CMOS,TP	
IC401	0505-001772	FET-SILICON	FDS9933A,P,-20V,-3.8A,0.075OHM,2W,SO-8	
IC402	1003-001554	IC-LCD CONTROLLER	ADE3700X,PQFP,128P,20x14mm,,,TR,PLASTIC,5V,150C,,,	
L103	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L105	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L106	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L201	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L202	BN27-00009A	COIL CHOKE	SMD 12X12X6,EOS,33UH,15%,-,0.126Ÿ MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	
L203	2703-001778	INDUCTOR-SMD	3.3UH,20%,3.2X2.5X2.2MM	
L204	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L205	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L206	2703-001802	INDUCTOR-SMD	33UH,20%,2.0X1.25X1.25MM	
L207	2703-001802	INDUCTOR-SMD	33UH,20%,2.0X1.25X1.25MM	
L400	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L401	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L402	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L403	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
MP1.2	BN41-00299C	PCB MAIN	GY15LS/MS,FR-4,4L,1.2,1.6T,130*90	SNA
Q101	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
Q201	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
Q202	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
R101	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	
R102	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	
R103	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R104	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R107	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R108	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R109	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R112	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	
R114	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R115	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R116	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R117	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R118	2007-000116	R-CHIP	120ohm,5%,1/10W,TP,1608	
R119	2007-000458	R-CHIP	18Kohm,5%,1/10W,TP,1608	
R122	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R123	2007-001114	R-CHIP	680Kohm,5%,1/10W,TP,1608	
R124	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R125	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R201	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R202	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R203	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R204	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R205	2007-000121	R-CHIP	820ohm,5%,1/10W,TP,1608	
R208	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R209	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R210	2007-000102	R-CHIP	100Kohm,5%,1/10W,TP,1608	
R211	2007-000102	R-CHIP	100Kohm,5%,1/10W,TP,1608	
R213	2007-000087	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	
R215	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R216	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R303	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R304	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R306	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R308	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R314	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R316	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R317	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R318	2007-000092	R-CHIP	15Kohm,5%,1/10W,TP,1608	
R320	2007-000109	R-CHIP	1Mohm,5%,1/10W,TP,1608	
R321	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R322	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R323	2007-000092	R-CHIP	15Kohm,5%,1/10W,TP,1608	
R325	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R326	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R327	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R328	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R329	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R330	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R331	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R332	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R333	2007-000092	R-CHIP	15Kohm,5%,1/10W,TP,1608	
R337	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R340	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R341	2007-000132	R-CHIP	180Kohm,5%,1/10W,TP,1608	
R342	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R343	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R344	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R345	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R346	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	
R347	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R348	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R349	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R350	2007-000109	R-CHIP	1Mohm,5%,1/10W,TP,1608	
R351	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R352	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R353	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R354	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R355	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R356	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R357	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R359	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R360	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R361	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R362	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R363	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R364	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R365	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R366	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R367	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R368	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R369	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R370	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R371	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R372	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R373	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R375	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R401	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R402	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R403	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R404	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R422	2007-000102	R-CHIP	100Kohm,5%,1/10W,TP,1608	
R424	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R437	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R50	2007-000881	R-CHIP	4.7ohm,5%,1/8W,TP,2012	
R51	2007-000881	R-CHIP	4.7ohm,5%,1/8W,TP,2012	
R52	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R60	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R600	2007-000086	R-CHIP	5.6Kohm,5%,1/10W,TP,1608	
R601	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	
R602	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	
R61	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R62	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R63	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R64	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R65	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R66	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
RA301	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA302	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA303	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA304	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA305	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA306	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
X301	2801-003954	CRYSTAL-SMD	27MHz,30ppm,28-AAN,16pF,50ohm,TP	
X302	2801-003773	CRYSTAL-SMD	12MHZ,30PPM,28-AAN,20PF,50OHM,TP	
ZD103	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
ZD104	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
ZD105	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
ZD106	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	

7-1-2 GY15MS* Others

Loc. No.	Code No.	Description	Specification	Remarks
-	BN90-00490G	ASSY COVER FRONT	GY15MS	SNA
C/F+C/R	6003-001319	SCREW-TAPTITE	BH,+,B,M3,L10,NI PLT,SWRCH18A,-	SNA
C/F	BN96-00350A	ASSY COVER P-FRONT	GOYA153B,,ABS PC,WH11,	SNA
-	BN90-00491G	ASSY COVER REAR	GY15MS	SNA
C/R	BN96-00346A	ASSY COVER P-REAR	GOYA153B,ABS PC,GR86	SNA
-	BN90-00492G	ASSY STAND	GY15MS	SNA
STD	BN96-00355A	ASSY STAND P-SIMPLE	GOYA153S,,ABS HB,WH11,	SNA
-	BN91-00311A	ASSY LCD-SX	GD15NS,-,-,-	SNA
CIS	BN07-00045A	LCD	LTM150XH-L01,CZB,8BIT,331.6*254.76*12.5,16.19M,-,0.297*0.297,-,-,AMLCD/1 LVDS,-	
-	BN91-00607G	ASSY CHASSIS-SX	GY15MS	
INVERTER	BN44-00072A	INVERTER	GH15L,LI-2072,48KHZ,14VDC,1.5MARMS,5.6MARMS,48KHZ,37*140*16.0,4LAMP,40-56KHZ	
APT	BN44-00080A	ADAPTOR	PSCV420108(C)[AD-421,AD-4214L,100 to 240 Vac,50~60Hz,+14Vdc,3A,,42W,AC-DC,0 TO +	SNA
CIS	BN96-00344A	ASSY MISC P-SHIELD D_SUB	GOYA153S,,,SPTE T0.5	SNA
CIS	BN63-00643A	SHIELD-DSUB	GOYA153S,SPTE,T0.5,,,,	SNA
CIS	BN71-00024A	EARTH-PLATE	GH17LS,SUS,T0.15	SNA
-	BN91-00608G	ASSY SHIELD	GY15MS	SNA
CIS	0203-001160	TAPE-FILAMENT	SCOTCH#8915,T0.16,W48,L55M,TRP	SNA
CIS	BN39-00002A	CBF-HARNESS	-,60,BLU/WHT,-,26,-	
CIS	BN39-00372A	LEAD CONNECTOR	GY15LS,UL1061#28,UL/CSA,20P,90MM,#28,12507HS-20,12507HS-20,BK,90MM,1061#28	
CIS	BN63-00645A	SHIELD-COVER	GOYA153S,SECC,T0.8,,,,	SNA
IN/PCB+SH/COV	6003-000117	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
SH/COV+PAN	6003-000259	SCREW-TAPTITE	BH,+,B,M3,L8,ZPC(YEL),SWRCH18A	SNA
SH/COV+SH/PCB	6003-000117	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
SH/PCB+SH/D_SUB	6003-000269	SCREW-TAPTITE	BH,+,S,M3,L6,ZPC(YEL),SWRCH18A	SNA
SIGNAL	BN39-00244A	CBF SIGNAL	BU15AO(T541A),15P/15P,20276-N,1830MM,UL20276,BLACK,D-SUB/MALE ,DET. TYPE	
CIS	BN96-00659B	ASSY MISC P-SHIELD PCB	GY15MS,SECC T0.3	SNA
-	BN92-00708G	ASSY BOX	GY15MS	SNA
BOX	BH75-10529A	UNIT-HANDLE PACKING	LXA410TLMU,PE,-,WHITE,-	SNA
BOX	BN68-00134D	LABEL BAR CODE	-,ALL,TCO99,W/W,ART-PAPER 90G,-,WHT,BLACK,-,-,-	SNA
BOX	BN69-00507A	BOX	S/M153B,AJU+W/W,CB-SW4,YEL,A-1,L415*W420*H143	SNA
CIS	BN72-60001A	LEVER TOP	LSD210TL,PE-LD,WHITE,TFT_LCD	SNA
CIS	BN72-60002A	LEVER BOTTOM	LSD210TL,PE-LD,WHITE,TFT-LCD	SNA
-	BN92-00709G	ASSY LABEL	GY15MS	SNA
LABEL	BN68-00404J	LABEL RATING	GY15MS,SS,PE,T0.05,90,45,BLK,POLYESTER,EDC,GY15MS	SNA
-	BN92-00710G	ASSY ACCESSORY	GY15MS	SNA
ACCESSORY	BN96-00580A	ASSY ACCESSORY	GY15MS	
ACCESSORY	0203-000214	TAPE-OPP MASKING	OPP/W50/CLR,T0.05,W50,L400000,	SNA
ACCESSORY	6801-001073	CARD-REGISTRATION	RUS,XEV,RUS,MOJO100,-,W220,L318,2,-	SNA

Loc. No.	Code No.	Description	Specification	Remarks
ACCESSORY	6902-000110	BAG PE	LDPE,T0.05,L356,W240,TRP,28,2,PE MARK	SNA
ACCESSORY	BH39-10339H	CBF POWER CORD	DET,H05VV-F,250V/10,16A,BLK,25	
ACCESSORY	BH68-00374A	CARD WARRANTY-01	ASC List,Samsung,ART100G,Russian,EDC,295,210	SNA
ACCESSORY	BH68-00376H	MANUAL-00	WIN XP INSTALL GUIDE,SYNCMASTER,ENGLISH,W/W,MOJO100G,-,148,210,-,-,-	SNA
ACCESSORY	BH68-00489A	MANUAL-02	RUSSIAN W/CARD,SER,RUSSIAN,RUSSIA,MOJO100G	SNA
ACCESSORY	BH68-00522A	MANUAL USERS-00	P/CORD SETUP GUIDE,SYNCMASTER,EN,W/W,MOJO100G,250,250,00	SNA
ACCESSORY	BH68-70438A	CARD-BLOC WARRANTY-09	TFT LCD,BASIC,EU,MOJO,100G,W21	SNA
ACCESSORY	BH68-70448A	CARD-01	TFT LCD,SRC,RUSSIA,S/W,120,W210*L120,INSTALL CARD	SNA
ACCESSORY	BN39-00061A	CBF SIGNAL-STEREO	-,2000MM,-,-,UL2851,-	
ACCESSORY	BN59-00355A	S/W DRIVER-USER MANUAL-01	153V,173V,IB/Driver,SyncMaster,W/W,13Langs	SNA
-	BN92-00711G	ASSY P/MATERIAL	GY15MS	SNA
P/M	0203-001100	TAPE-OPP MASKING	OPP/W75/CLR,T0.05,W75,L800000,CLR	SNA
P/M	6902-000111	BAG PE	HDPE,T0.015,L800,W650,TRP,28,4,PE MARK	SNA
P/M	BH69-00328F	PAD-EDGE	CN15,DW3,200,1430,-,-,YEL,-,-	SNA
P/M	BH69-00457B	PACKING-PAD	GH15,FOAM,T3.0,930,1000	SNA
P/M	BH69-30002C	BAG-PE	LDPE,T0.05,W2400,NO_PRINT	SNA
P/M	BH69-30360A	BAG-AIR	HDPE,T0.2,W1000*L1800,N,-,ALL	SNA
P/M	BH69-40308C	PALLET-PACKING	T50,WOODEN,W1340,L920,H120,-,-,-	SNA
P/M	BH69-40348A	PACKING-PAD TOP 15’	CB-DW2,W1200*L840,500G,CMA5377	SNA
P/M	BH69-40379A	PACKING-WRAP	LDPE,W500*T0.02,-,-	SNA
P/M	BN68-00129A	LABEL SHIPPING	-,LABEL SHIPPING,ART-PAPER,100G,-,WHT,BLACK,-,-,-	SNA
P/M	BN69-00140F	PAD-PALLET COVER	ML17,SW,1100*3800,1248,-,-,-,-,-	SNA
P/M	BN69-00140T	PAD-PALLET COVER	SUN(LSA810),SW,900,3760,-,-,-,-,-	SNA
P/M	BN69-00466A	CUSHION-L/R	GOYA153B,EPS M50,,,,,,,SIMPLE	SNA

7-2-1 GY17MS* Main PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
-	BN94-00446J	ASSY PCB MAIN-ET	GY17MS	SNA
C136	2409-001044	C-ORGANIC	100UF,+-20%,16V,WT,TP,8X10.5,5	
C147	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
C149	2401-001363	C-AL	470uF,20%,16V,GP,TP,10x12.5,5	
CIS	BN63-00422A	GASKET	T541A,T541D,CONDUTIVE FABRIC,4MM,15MM,140MM,GRAY,71TSSK 15-4-140-13,71TSSK 15-4-	
CIS01	0202-001044	SOLDER-WIRE.	S63S-W3.0,S63S,D3,63Sn/37Pb,-	SNA
CIS02	0204-001677	FLUX	DF-201TVS,MIX,0.820,FLUX 13%,G	SNA
CIS03	0202-001222	SOLDER-WIRE FLUX	RS-107,RS60-1.2AA,D1.2,SN60/PB40,-	SNA
CIS04	0204-001095	THINNER	#4520,-,-,-	SNA
CN101	3701-001219	CONNECTOR-DSUB	15P,3R,FEMALE,ANGLE,AUF	
CN102	3711-004068	CONNECTOR-HEADER	BOX,5P,1R,2MM,ANGLE,SN,WHT	
CN103	3722-000117	JACK-DC POWER	3P,3.5MM,AG,BLK,NO	SNA
FT107	2701-000179	INDUCTOR-AXIAL	33uH,10%,4.2x9.8mm	
IC108	1204-001833	IC-VOLUME CONTROL	TDA7496L,DIP,20P,-,PLASTIC,26V,6W,0TO+70C,ST,AMP&VOLUME CONTROL	
-	BN97-00210R	ASSY MICOM	GY17MS	SNA
CIS	BN82-00089Z	A/S MICOM	GY17MS	SNA
IC202	0903-001266	IC-MICROCONTROLLER	NT68F63,8BIT,PLCC,44P,653MIL,12MHZ,ST,CMOS,PLASTIC,5V,-,-0TO+70C,256B,4KB,-,-,MC	SNA
-	BN97-00211J	ASSY SMD-ET	GY17MS	SNA
BD101	3301-000314	CORE-FERRITE BEAD	AB,120ohm,1.6x0.8x0.8mm,150mA,TP,FERRITE,0.2ohm	SNA
BD102	3301-000314	CORE-FERRITE BEAD	AB,120ohm,1.6x0.8x0.8mm,150mA,TP,FERRITE,0.2ohm	SNA
BD103	3301-000314	CORE-FERRITE BEAD	AB,120ohm,1.6x0.8x0.8mm,150mA,TP,FERRITE,0.2ohm	SNA
BD301	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
BD302	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
C102	2203-000236	C-CERAMIC,CHIP	0.1NF,5%,50V,C0G,TP,1608	
C103	2203-000236	C-CERAMIC,CHIP	0.1NF,5%,50V,C0G,TP,1608	
C110	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C112	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C113	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C114	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C115	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C116	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C117	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C118	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C123	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C124	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C125	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C126	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C127	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C128	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C129	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C130	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C131	2402-001081	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	
C132	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C133	2402-001081	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	
C134	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C135	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C137	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C138	2203-005015	C-CERAMIC,CHIP	150nF,+80-20%,16V,Y5V,TP,1608	
C139	2203-005015	C-CERAMIC,CHIP	150nF,+80-20%,16V,Y5V,TP,1608	
C140	2203-000236	C-CERAMIC,CHIP	0.1NF,5%,50V,C0G,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
C141	2203-000236	C-CERAMIC,CHIP	0.1NF,5%,50V,C0G,TP,1608	
C142	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C143	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C144	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C145	2402-001160	C-AL,SMD	330UF,20%,16V,WT,TP,1008	
C146	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C148	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C150	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C151	2203-000440	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,1608,-	
C152	2402-000179	C-AL,SMD	47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C153	2402-000209	C-AL,SMD	22uF,20%,16V,WT,TP,5.3x5.3mm,1	
C154	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C201	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C202	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C203	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C204	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C205	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C206	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C207	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C208	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C209	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C210	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C211	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C212	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C213	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C214	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C215	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C217	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C219	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C220	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C221	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C222	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C223	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C224	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C225	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C226	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C227	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C228	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C229	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C230	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C231	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C232	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C233	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C234	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C235	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C236	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C237	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C238	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C239	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C240	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C241	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C242	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
C244	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C245	2203-005065	C-CERAMIC,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	
C247	2203-000384	C-CERAMIC,CHIP	0.015NF,5%,50V,C0G,TP,1608	
C248	2203-000426	C-CERAMIC,CHIP	0.018NF,5%,50V,C0G,TP,1608	
C249	2203-000626	C-CERAMIC,CHIP	0.022NF,5%,50V,C0G,TP,1608	
C250	2203-000626	C-CERAMIC,CHIP	0.022NF,5%,50V,C0G,TP,1608	
C251	2203-000384	C-CERAMIC,CHIP	0.015NF,5%,50V,C0G,TP,1608	
C252	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C253	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C254	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C255	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C256	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C257	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C258	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C259	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C260	2203-000626	C-CERAMIC,CHIP	0.022NF,5%,50V,C0G,TP,1608	
C261	2203-000626	C-CERAMIC,CHIP	0.022NF,5%,50V,C0G,TP,1608	
C262	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C263	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C265	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C267	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C302	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C303	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C304	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C305	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C306	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C307	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C308	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C309	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C310	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C311	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C312	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C314	2402-001042	C-AL,SMD	100uF,20%,16V,GP,TP,6.6x6.6x5.4mm	
C315	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C316	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C317	2402-001160	C-AL,SMD	330UF,20%,16V,WT,TP,1008	
C318	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C319	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C320	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C322	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C323	2203-000189	C-CERAMIC,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	
C324	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C325	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C326	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C327	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C328	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C329	2203-000257	C-CERAMIC,CHIP	10nF,10%,50V,X7R,TP,1608	
C60	2203-005005	C-CERAMIC,CHIP	100nF,10%,16V,X7R,TP,1608	
C61	2203-005437	C-CERAMIC,CHIP	10000nF,+80-20%,10V,Y5V,TP,3216	
C62	2203-001652	C-CERAMIC,CHIP	470nF,+80-20%,16V,Y5V,TP,1608	
C63	2203-001652	C-CERAMIC,CHIP	470nF,+80-20%,16V,Y5V,TP,1608	
C80	2402-001160	C-AL,SMD	330UF,20%,16V,WT,TP,1008	

Loc. No.	Code No.	Description	Specification	Remarks
CIS05	0202-001162	SOLDER-CREAM	RMA-20-21L,S63,-,SN63/PB36.6/AG0.4,FLUX9.5%	SNA
CN301	3711-004070	CONNECTOR-HEADER	BOX,30P,1R,1.25mm,SMD-A,SN	
CN302	3711-000556	CONNECTOR-HEADER	BOX,12P,1R,1.25mm,SMD-A,SN	SNA
CN303	3711-004934	CONNECTOR-HEADER	BOX,5P,1R,1.25MM,SMD-A,SN,WHT	
D101	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D102	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D103	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D104	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D105	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D106	0401-001056	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	
D107	0402-001098	DIODE-RECTIFIER	SK34,40V,3A,SMC,TP	
FT103	2901-001114	FILTER-EMI SMD	25VDC,2.0ADC,-,100nF,3.2x1.6x1	
FT106	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT302	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT304	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT305	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT306	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
FT307	3301-001145	CORE-FERRITE BEAD	AB,4.5x1.6x1.6mm,-,-	SNA
IC101	0803-000117	IC-TTL	74F14,INVERTER,SOP,14P,150MIL,	
IC102	1204-001551	IC-VIDEO SYSTEM	GS1881,SOIC,8P,150MIL,PLASTIC,13.2V,-,0TO+70C,TP,VIDEO SYNC SEPARATOR	
IC104	1203-002853	IC-VOLTAGE REGULATOR	G960T45R,TO-252,3P,6.35X5.97MM,PLASTIC,3.234/3.336V,-,-40TO+125C,1A,-,TP	
IC105	1203-002844	IC-VOLTAGE REGULATOR	AP1117D-18A,TO-252-3L,3P,6.7X5.6MM,PLASTIC,1.764/1.836V,-,0TO+150C,1A,-,TP	
IC106	0505-001772	FET-SILICON	FDS9933A,P,-20V,-3.8A,0.075OHM,2W,SO-8	
IC107	1203-002843	IC-DC/DC CONVERTER	AP1501-50K5A,TO-263-5L,5P,10.54X9.65MM,PLASTIC,4.75/5.25V,-,-40TO+125C,3A,-,TP	
IC109	0505-001772	FET-SILICON	FDS9933A,P,-20V,-3.8A,0.075OHM,2W,SO-8	
IC201	1003-001560	IC-LCD CONTROLLER	ADE3700SX,LQFP,128P,20X14MM,-,-,TR,PLASTIC,5V,150C,-,-,-	
IC203	1103-001023	IC-EEPROM	524C80D81,1028x8Bit,SOP,8P,150MIL,10mS,5V,10%,PLASTIC,0to+70C,110uA,CMOS,TP	
IC301	1205-002334	IC-TRANSMITTER	EL-LV385,TSSOP,56P,14X6.1MM,PLASTIC,3.45V,-,0TO+70C,TP,-	
IC302	1205-002334	IC-TRANSMITTER	EL-LV385,TSSOP,56P,14X6.1MM,PLASTIC,3.45V,-,0TO+70C,TP,-	
IC60	1203-002844	IC-VOLTAGE REGULATOR	AP1117D-18A,TO-252-3L,3P,6.7X5.6MM,PLASTIC,1.764/1.836V,-,0TO+150C,1A,-,TP	
IC900	1203-002853	IC-VOLTAGE REGULATOR	G960T45R,TO-252,3P,6.35X5.97MM,PLASTIC,3.234/3.336V,-,-40TO+125C,1A,-,TP	
L105	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L106	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L107	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L108	BN27-00008A	COIL CHOKE-SMD	SMD12*12*8.5,GH15/17PS,22.0UH,°æ20%,-,0.045OHM MAX.,3.0A,DR10X7/SMD12X6.7,16.5TS	
L201	2703-001802	INDUCTOR-SMD	33UH,20%,2.0X1.25X1.25MM	
L202	2703-001802	INDUCTOR-SMD	33UH,20%,2.0X1.25X1.25MM	
L301	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L302	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L304	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L305	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L400	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L401	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L402	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L403	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
L900	2703-001334	INDUCTOR-SMD	1.5uH,10%,2x1.25x0.85mm	
MP1.2	BN41-00298C	PCB MAIN	GY17LS/MS,FR-4,4L,1.2,1.0T,135*110,GY17LS/MS	SNA
Q101	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
Q103	0501-000342	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	
Q301	0501-002080	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	
R101	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R102	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R104	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	
R105	2007-000076	R-CHIP	330ohm,5%,1/10W,TP,1608	
R109	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R110	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R111	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R115	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R116	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R118	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R119	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R120	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R122	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	
R123	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R124	2007-000116	R-CHIP	120ohm,5%,1/10W,TP,1608	
R125	2007-001114	R-CHIP	680Kohm,5%,1/10W,TP,1608	
R129	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R130	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R131	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R132	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R133	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R134	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R135	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R136	2007-000087	R-CHIP	6.8Kohm,5%,1/10W,TP,1608	
R138	2007-000102	R-CHIP	100Kohm,5%,1/10W,TP,1608	
R139	2007-000102	R-CHIP	100Kohm,5%,1/10W,TP,1608	
R140	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R141	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R142	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R143	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R145	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R146	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R148	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R149	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R150	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R204	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R205	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R206	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R207	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R208	2007-000109	R-CHIP	1Mohm,5%,1/10W,TP,1608	
R212	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R213	2007-001167	R-CHIP	75ohm,5%,1/10W,TP,1608	
R214	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R215	2007-000071	R-CHIP	22ohm,5%,1/10W,TP,1608	
R216	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R217	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	
R218	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	
R219	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	
R220	2007-000092	R-CHIP	15Kohm,5%,1/10W,TP,1608	
R222	2007-000092	R-CHIP	15Kohm,5%,1/10W,TP,1608	
R224	2007-000092	R-CHIP	15Kohm,5%,1/10W,TP,1608	
R226	2007-000077	R-CHIP	470ohm,5%,1/10W,TP,1608	
R227	2007-000109	R-CHIP	1Mohm,5%,1/10W,TP,1608	
R228	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R229	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R230	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R231	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R232	2007-000084	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	
R233	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R234	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R235	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R236	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R237	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R238	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R239	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R241	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R242	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R243	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R244	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R245	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R246	2007-000132	R-CHIP	180Kohm,5%,1/10W,TP,1608	
R247	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R248	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R249	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R251	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R252	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R253	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R254	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R255	2007-000078	R-CHIP	1Kohm,5%,1/10W,TP,1608	
R256	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R257	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R258	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R259	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R260	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R261	2007-000074	R-CHIP	100ohm,5%,1/10W,TP,1608	
R262	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R301	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R303	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R304	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R305	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R306	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R307	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R308	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R309	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R310	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R311	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R312	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R313	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R314	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R315	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R316	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R317	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R318	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R319	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R320	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R321	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	

Loc. No.	Code No.	Description	Specification	Remarks
R322	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R323	2007-000072	R-CHIP	47ohm,5%,1/10W,TP,1608	
R324	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R325	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R50	2007-000881	R-CHIP	4.7ohm,5%,1/8W,TP,2012	
R51	2007-000881	R-CHIP	4.7ohm,5%,1/8W,TP,2012	
R52	2007-000090	R-CHIP	10Kohm,5%,1/10W,TP,1608	
R600	2007-000086	R-CHIP	5.6Kohm,5%,1/10W,TP,1608	
R601	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	
R602	2007-000124	R-CHIP	2.2Kohm,5%,1/10W,TP,1608	
R61	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R62	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R63	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R64	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R65	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R66	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R67	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R68	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R69	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R70	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R71	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
R72	2007-000070	R-CHIP	0ohm,5%,1/10W,TP,1608	
RA201	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA202	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA203	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA204	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA205	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA206	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA207	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA208	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA209	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA210	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA211	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
RA212	2011-001085	R-NETWORK	82OHM,5%,1/16W,L,CHIP,8P,TP	
X201	2801-003954	CRYSTAL-SMD	27MHz,30ppm,28-AAN,16pF,50ohm,TP	
X202	2801-003773	CRYSTAL-SMD	12MHZ,30PPM,28-AAN,20PF,50OHM,TP	
ZD103	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
ZD104	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
ZD160	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	
ZD161	0403-000579	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	

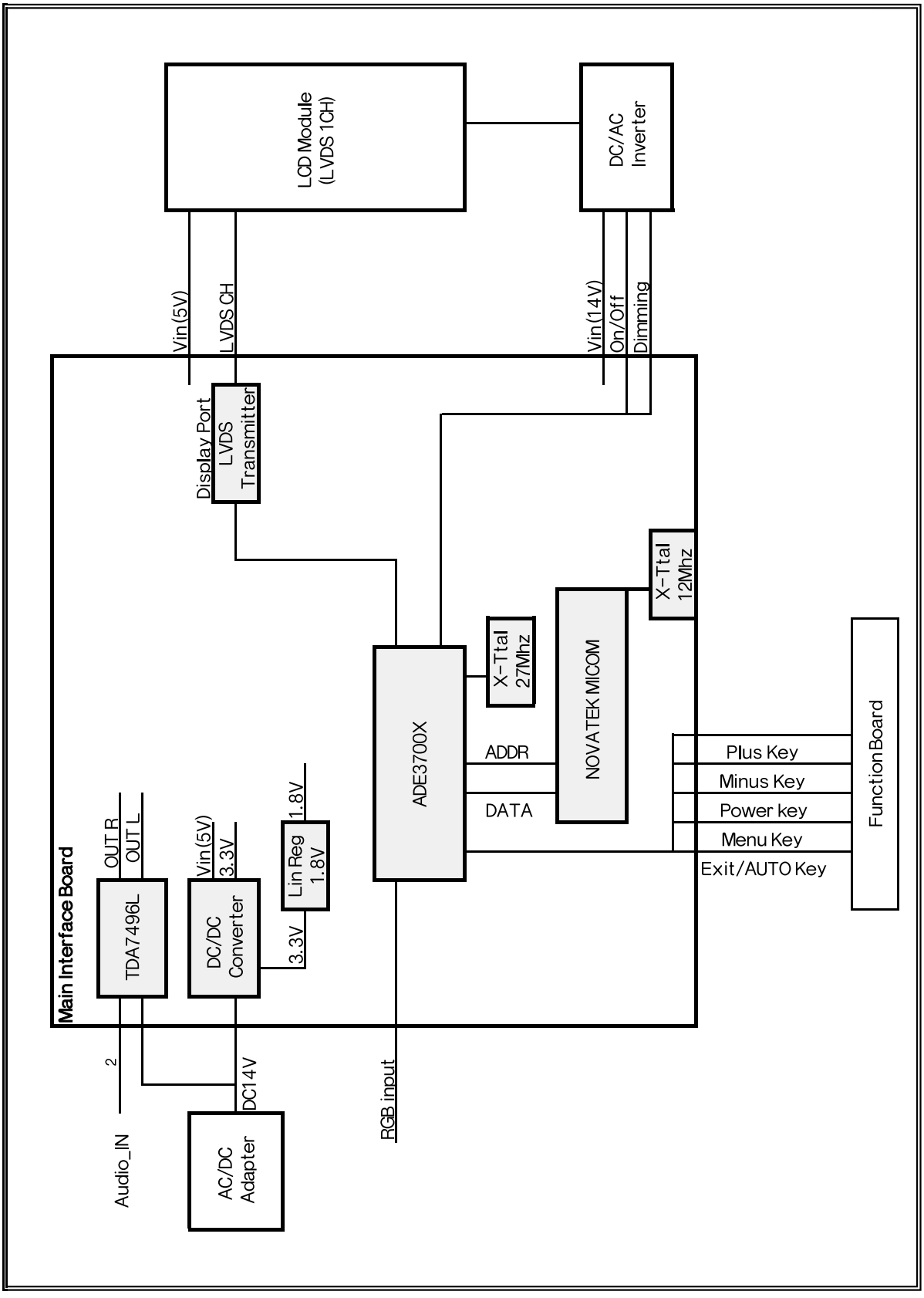
7-2-2 GY17MS* Others

Loc. No.	Code No.	Description	Specification	Remarks
-	BN90-00490J	ASSY COVER FRONT	GY17MS	SNA
C/F+C/R	6003-001319	SCREW-TAPTITE	BH,+,B,M3,L10,NI PLT,SWRCH18A,-	SNA
C/F	BN96-00349A	ASSY COVER P-FRONT	GOYA173B,,ABS PC,WH11,	SNA
-	BN90-00491J	ASSY COVER REAR	GY17MS	SNA
C/R	BN96-00345A	ASSY COVER P-REAR	GOYA173B,ABS PC,GR86	SNA
-	BN90-00492J	ASSY STAND	GY17MS	SNA
STD	BN96-00356A	ASSY STAND P-SIMPLE	GOYA173S,,ABS HB,WH11,	SNA
-	BN91-00524G	ASSY LCD-ET	GH17AS	SNA
CIS	BN07-00085A	LCD	LTM170EU-L01,GH17LS,1280*1024,17,16.19M,56,0.264*0.264,0~55,5.0,TN,-	
-	BN91-00607J	ASSY CHASSIS-ET	GY17MS	
APT	BN44-00080A	ADAPTOR	PSCV420108(C)[AD-421,AD-4214L,100 to 240 Vac,50~60Hz,+14Vdc,3A,,42W,AC-DC,0 TO +	SNA
CIS	BN63-00641A	SHIELD-DSUB	GOYA173S,SPTE,T0.5,,,,	SNA
INVERTER	BN44-00073B	INVERTER	Dell 17,LI-2070B,535Hz,DC14V,2.5mArms,6.7mArms,535Hz,160*45*14.5mm,4Lamp,48KHz,	
-	BN91-00608J	ASSY SHIELD	GY17MS	SNA
BRKT/PCB+PAN	6001-001692	SCREW-MACHINE	BH,+,M3,L3,ZPC(YEL),SWRCH18A,FP,-	
BRKT/PCB+POW/PCB	6003-000117	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
CIS	0203-001160	TAPE-FILAMENT	SCOTCH#8915,T0.16,W48,L55M,TRP	SNA
CIS	BN39-00002A	CBF-HARNESS	-,60,BLU/WHT,-,26,-	
CIS	BN39-00371A	WIRE HARNESS	GY17LS,UL1571#30,UL/CSA,30P,75mm,#30,12507HS-30,FI-X30H,BK,75mm,1571#30,CORE	SNA
IN/PCB+SH/D_SUB	6003-000117	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
IN/PCB+SH/PCB	6003-000117	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
SH/COV+PAN	6001-000131	SCREW-MACHINE	BH,+,M3,L6,ZPC(YEL),SM20C,-	SNA
SH/COV+SH/D_SUB	6003-000269	SCREW-TAPTITE	BH,+,S,M3,L6,ZPC(YEL),SWRCH18A	SNA
SIGNAL	BN39-00244A	CBF SIGNAL	BU15A0(T541A),15P/15P,20276-N,1830MM,UL20276,BLACK,D-SUB/MALE ,DET. TYPE	
CIS	BN96-00343A	ASSY MISC P-SHIELD COVER	GOYA173S,,,SECCT0.8	SNA
CIS	BH68-30003B	LABEL-HIGH VOLTAGE	CKA4217(C),ART,100G,YEL,BLK,W30*L30,CDT-TUBE	SNA
CIS	BN63-00642A	SHIELD-COVER	GOYA173S,SECC,T0.8,,,,	SNA
CIS	BN71-00022A	EARTH PLATE	RB15AS,SUS,T0.15	SNA
CIS	BN96-00612A	ASSY MISC P-BRKT INVERTER	GY17LS,SECC T0.5	SNA
CIS	BN61-00391A	BRACKET-PCB	GOYA 173S,SECC,T0.8,,,,	SNA
CIS	BN61-00615A	BRACKET-INVERTER PCB	GY17LS,SECC,T0.8	SNA
-	BN92-00708J	ASSY BOX	GY17MS	SNA
BOX	BH75-10529C	UNIT-HANDLE/PACKING	S/M170MP,PE-LD,PE-HD,-,WHITE,-	
BOX	BN68-00134D	LABEL BAR CODE	-,ALL,TCO99,W/W,ART-PAPER 90G,-,WHT,BLACK,-,-,-	SNA
BOX	BN69-00511A	BOX	S/M173B,AJU+W/W,CB-SW4,YEL,A-1,L447*W480*H156	SNA
CIS	BN72-60001A	LEVER TOP	LSD210TL,PE-LD,WHITE,TFT_LCD	SNA
CIS	BN72-60002C	LEVER BOTTOM	S/M170MP,PE-HD,BLUE	SNA
-	BN92-00709J	ASSY LABEL	GY17MS	SNA
LABEL	BN68-00404E	LABEL RATING	GH17MS,SS,PE,T0.05,90,45,BLK,POLYESTER,EDC,GY17**	SNA

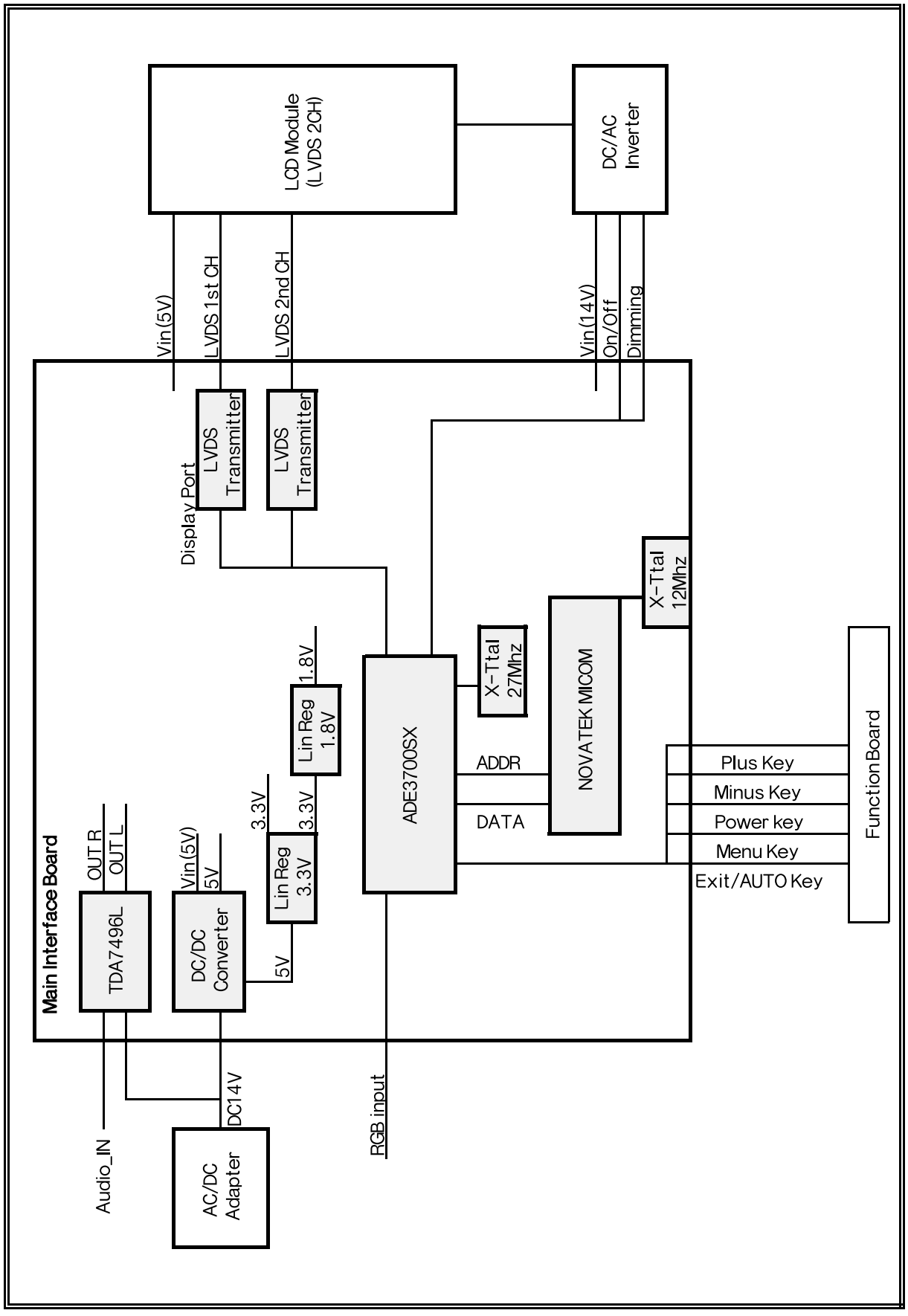
Loc. No.	Code No.	Description	Specification	Remarks
-	BN92-00710J	ASSY ACCESSORY	GY17MS	SNA
ACCESSORY	BN96-00580A	ASSY ACCESSORY	GY15MS	
ACCESSORY	0203-000214	TAPE-OPP MASKING	OPP/W50/CLR,T0.05,W50,L400000,	SNA
ACCESSORY	6801-001073	CARD-REGISTRATION	RUS,XEV,RUS,MOJO100,-,W220,L318,2,-	SNA
ACCESSORY	6902-000110	BAG PE	LDPE,T0.05,L356,W240,TRP,28,2,PE MARK	SNA
ACCESSORY	BH39-10339H	CBF POWER CORD	DET,H05VV-F,250V/10,16A,BLK,25	
ACCESSORY	BH68-00374A	CARD WARRANTY-01	ASC List,Samsung,ART100G,Russian,EDC,295,210	SNA
ACCESSORY	BH68-00376H	MANUAL-00	WIN XP INSTALL GUIDE,SYNCMASTER,ENGLISH,W/W,MOJO100G,-,148,210,-,-,-,-	SNA
ACCESSORY	BH68-00489A	MANUAL-02	RUSSIAN W/CARD,SER,RUSSIAN,RUSSIA,MOJO100G	SNA
ACCESSORY	BH68-00522A	MANUAL USERS-00	P/CORD SETUP GUIDE,SYNCMASTER,EN,W/W,MOJO100G,250,250,00	SNA
ACCESSORY	BH68-70438A	CARD-BLOC WARRANTY-09	TFT LCD,BASIC,EU,MOJO,100G,W21	SNA
ACCESSORY	BH68-70448A	CARD-01	TFT LCD,SRC,RUSSIA,S/W,120,W210*L120,INSTALL CARD	SNA
ACCESSORY	BN39-00061A	CBF SIGNAL-STEREO	-,2000MM,-,-,UL2851,-	
ACCESSORY	BN59-00355A	S/W DRIVER-USER MANUAL-01	153V,173V,IB/Driver,SyncMaster,W/W,13Langs	SNA
-	BN92-00711J	ASSY P/MATERIAL	GY17MS	SNA
P/M	0203-001100	TAPE-OPP MASKING	OPP/W75/CLR,T0.05,W75,L800000,CLR	SNA
P/M	6902-000111	BAG PE	HDPE,T0.015,L800,W650,TRP,28,4,PE MARK	SNA
P/M	BH69-00328H	PAD-EDGE	LN17HO,DW3,200,1350,-,-,YEL,-,-	SNA
P/M	BH69-30002C	BAG-PE	LDPE,T0.05,W2400,NO_PRINT	SNA
P/M	BH69-30360A	BAG-AIR	HDPE,T0.2,W1000*L1800,N,-,ALL	SNA
P/M	BH69-40375A	TOP-PAD	SW4,W900*L830*H4,LXA410TLMU	SNA
P/M	BH69-40379A	PACKING-WRAP	LDPE,W500*T0.02,-,-	SNA
P/M	BN68-00129A	LABEL SHIPPING	-,LABEL SHIPPING,ART-PAPER,100G,-,WHT,BLACK,-,-,-	SNA
P/M	BN69-00086A	PACKING-PALLET	WOODEN,972X1052X15,-,LSA700	SNA
P/M	BN69-00140A	PAD-PALLET COVER	CN15,SW,900*3650,1305,-,-,-,-,-	SNA
P/M	BN69-00140R	PAD-PALLET COVER	IBM(T85),SW,1000*3500,1166,-,-,-,-,-	SNA
P/M	BN69-00464A	CUSHION-L/R	GOYA173B,EPS M50,,,,,,,SIMPLE	SNA

8 Block Diagram

8-1 GY15MS*

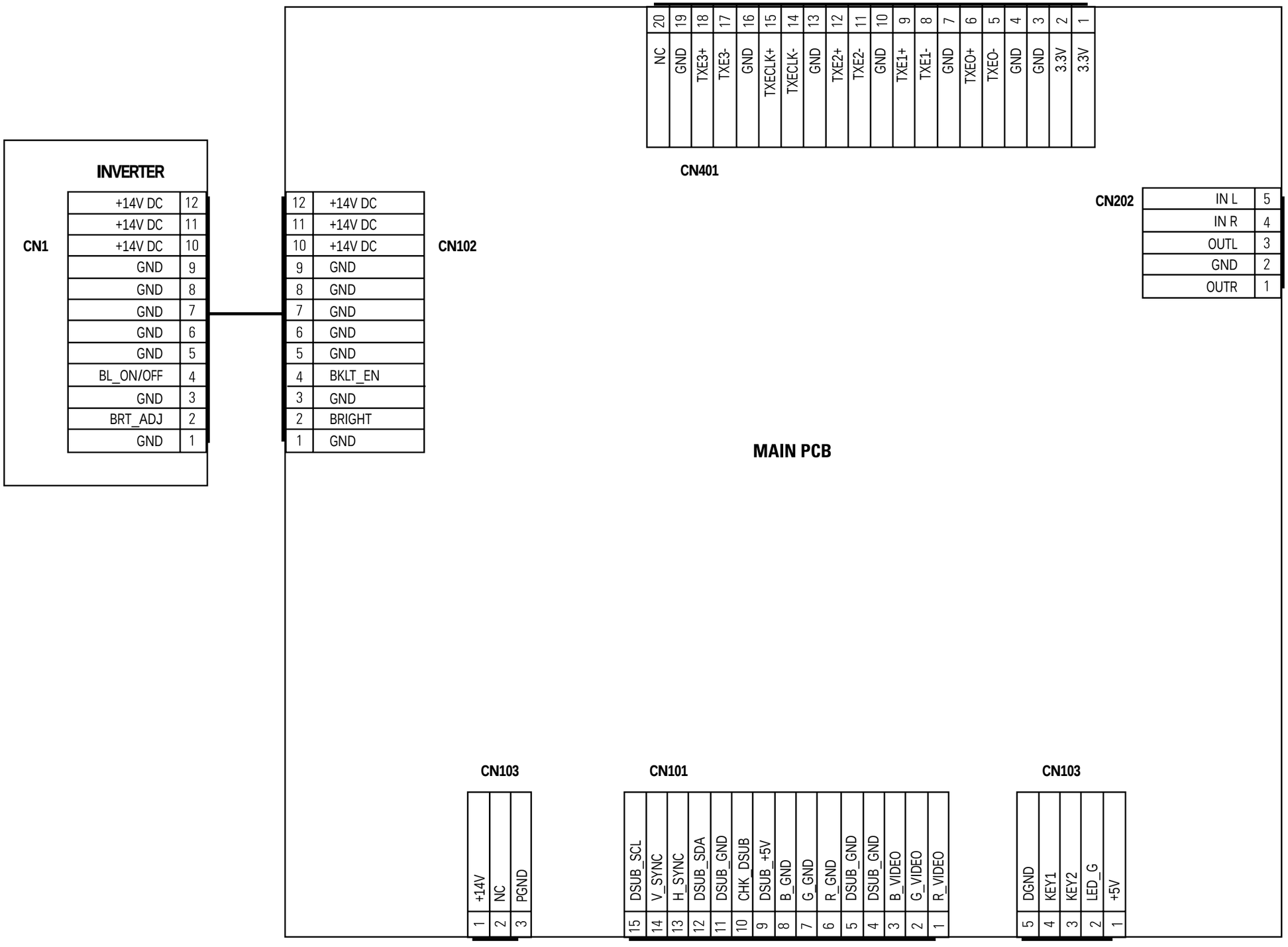


8-2 GY17MS*

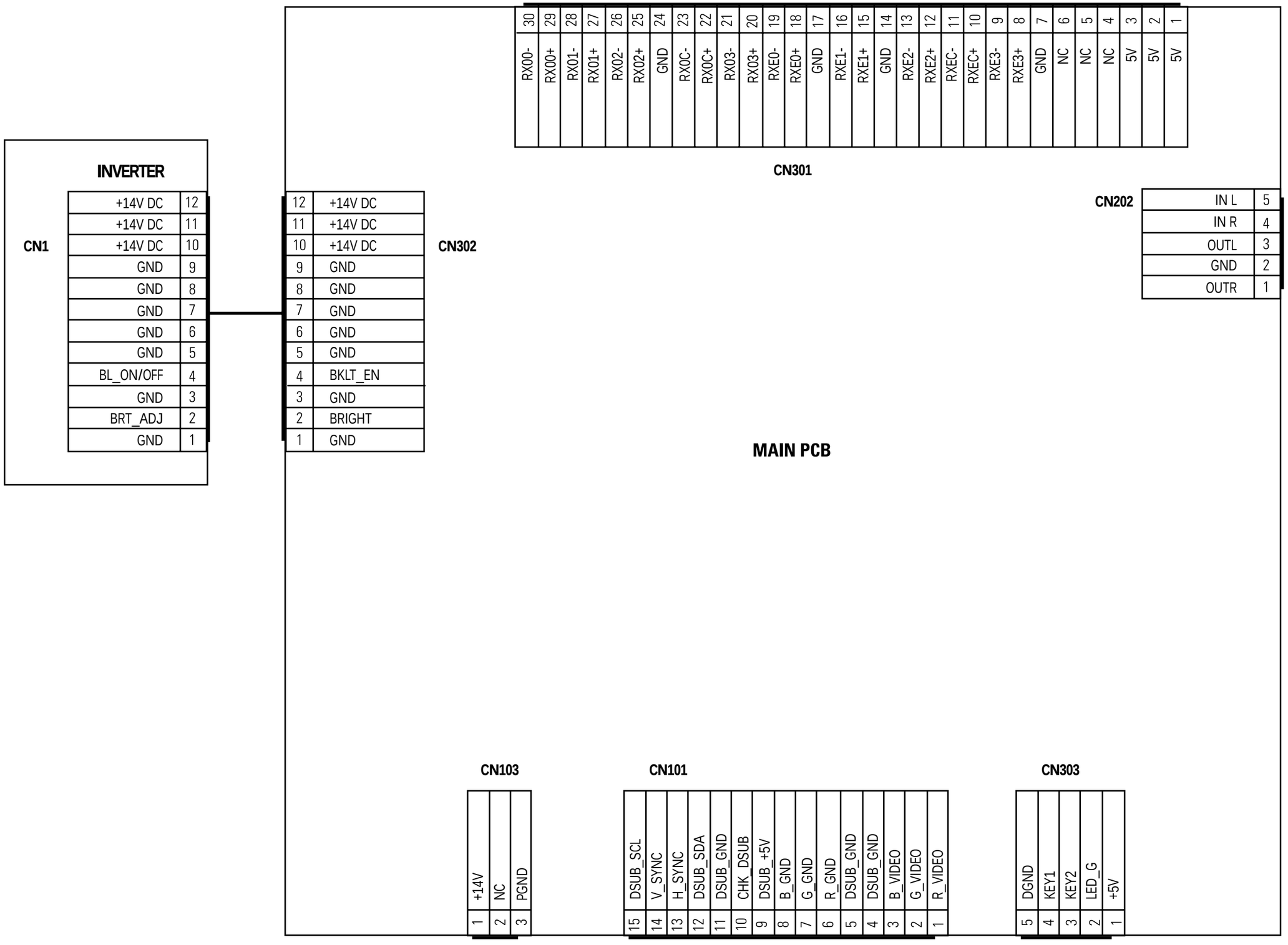

LCD Module
(LVDS 2CH)
DC/AC
Inverter
Vin(5V)
LVDS 1st CH
LVDS 2nd CH
Vin(14V)
On/Off
Dimming
Display Port
LVDS
Transmitter
LVDS
Transmitter
X-Ttal
12Mhz
NOVATEK MICOM
X-Ttal
27Mhz
ADE3700SX
1.8V
Lin Reg
1.8V
3.3V
3.3V
Lin Reg
3.3V
ADDR
DATA
Plus Key
Minus Key
Power key
Menu Key
Exit/AUTO Key
Function Board
Main Interface Board
OUT R
OUT L
TDA7496L
Vin(5V)
5V
DC/DC
Converter
5V
DC14V
RGB input
Audio_IN
AC/DC
Adapter

9 Wiring Diagram

9-1 GY15MS*

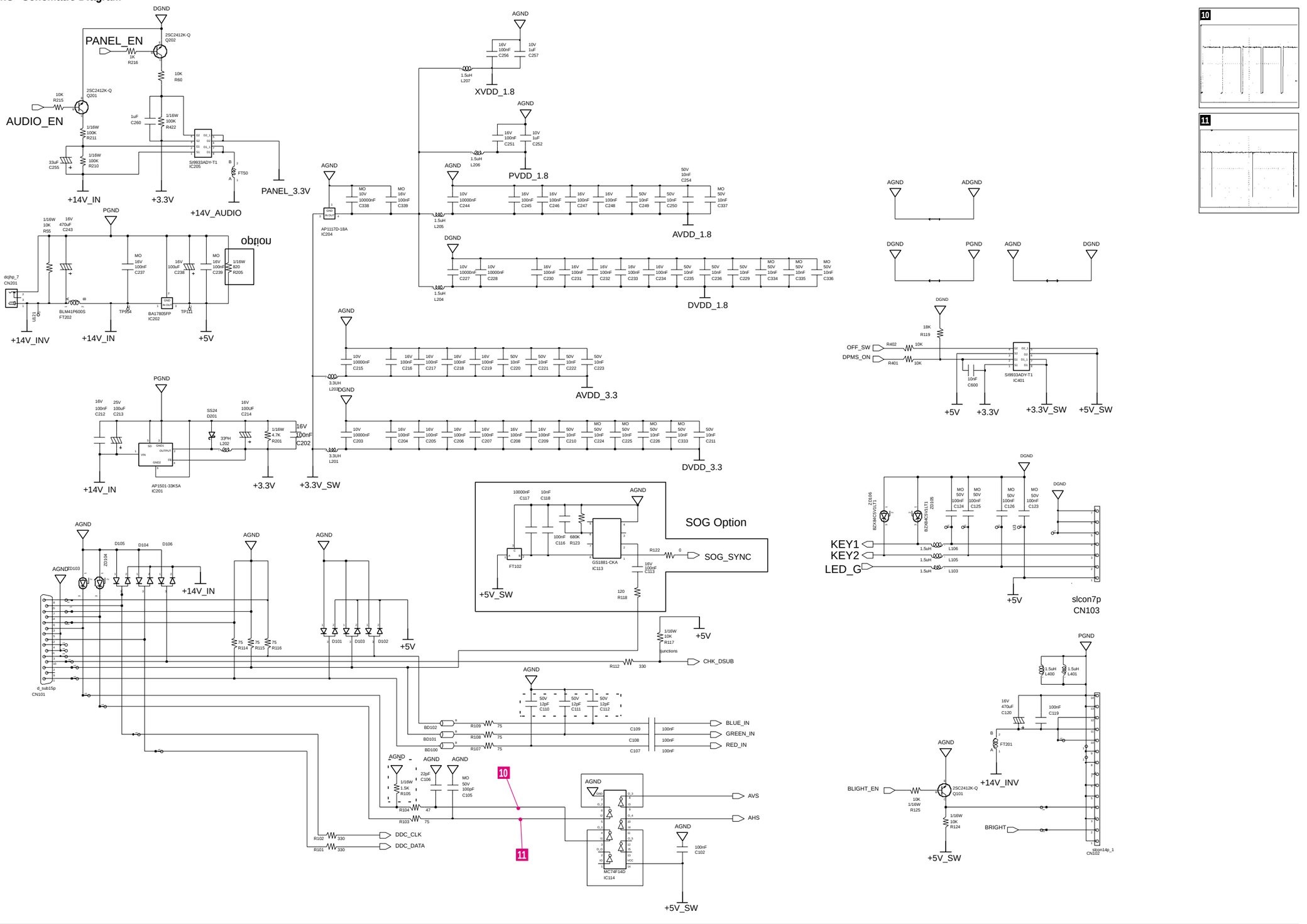


9-2 GY17MS*


INVERTER
CN1
+14V DC 12
+14V DC 11
+14V DC 10
GND 9
GND 8
GND 7
GND 6
GND 5
BL_ON/OFF 4
GND 3
BRT_ADJ 2
GND 1
CN302
12 +14V DC
11 +14V DC
10 +14V DC
9 GND
8 GND
7 GND
6 GND
5 GND
4 BKLT_EN
3 GND
2 BRIGHT
1 GND
CN301
30 RX00-
29 RX00+
28 RX01-
27 RX01+
26 RX02-
25 RX02+
24 GND
23 RX0C-
22 RX0C+
21 RX03-
20 RX03+
19 RXE0-
18 RXE0+
17 GND
16 RXE1-
15 RXE1+
14 GND
13 RXE2-
12 RXE2+
11 RXEC-
10 RXEC+
9 RXE3-
8 RXE3+
7 GND
6 NC
5 NC
4 NC
3 5V
2 5V
1 5V
CN202
IN L 5
IN R 4
OUTL 3
GND 2
OUTR 1
MAIN PCB
CN103
1 +14V
2 NC
3 PGND
CN101
15 DSUB_SCL
14 V_SYNC
13 H_SYNC
12 DSUB_SDA
11 DSUB_GND
10 CHK_DSUB
9 DSUB_+5V
8 B_GND
7 G_GND
6 R_GND
5 DSUB_GND
4 DSUB_GND
3 B_VIDEO
2 G_VIDEO
1 R_VIDEO
CN303
5 DGND
4 KEY1
3 KEY2
2 LED_G
1 +5V

11 Schematic Diagrams

11-1-1 GY15MS* Schematic Diagram



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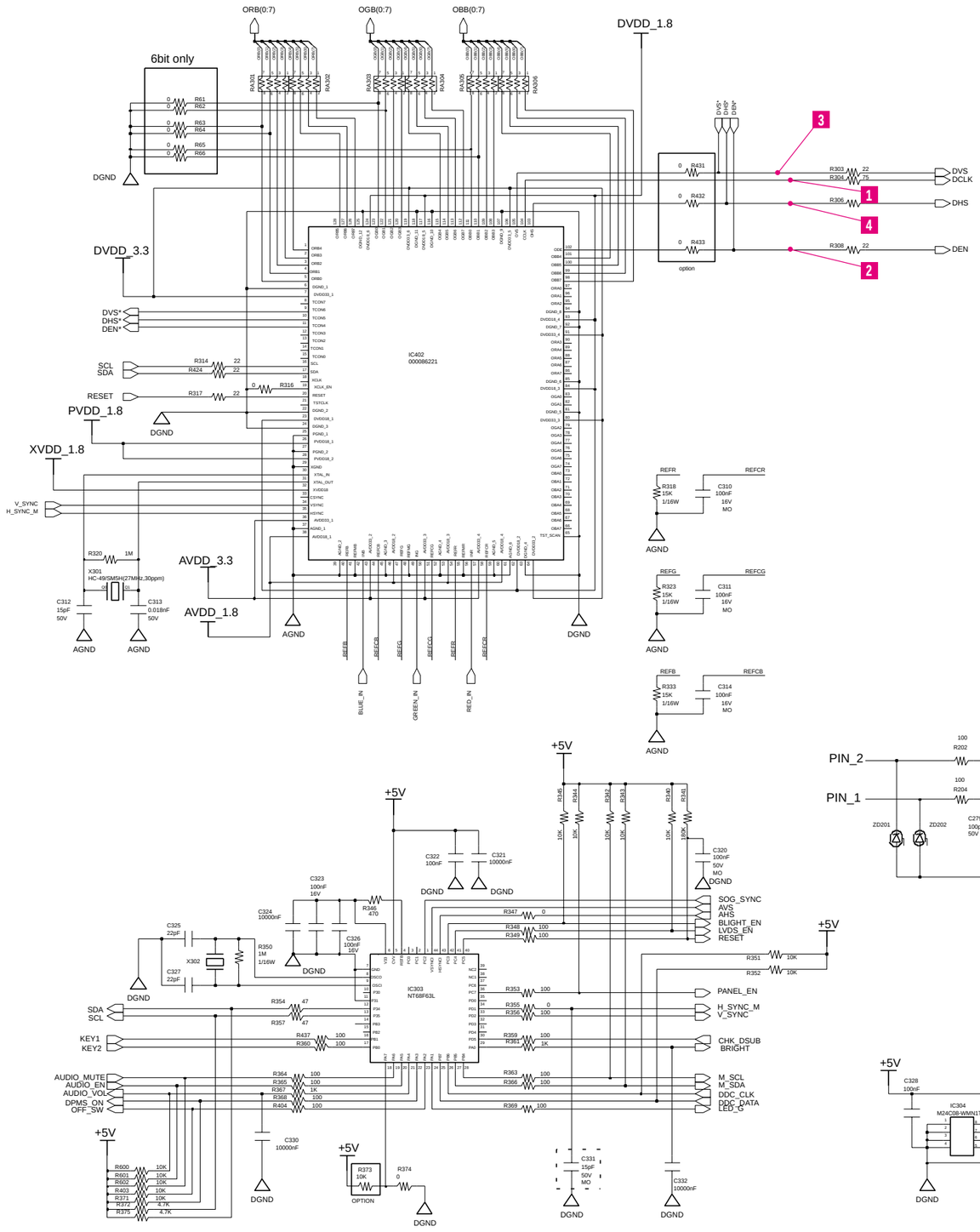
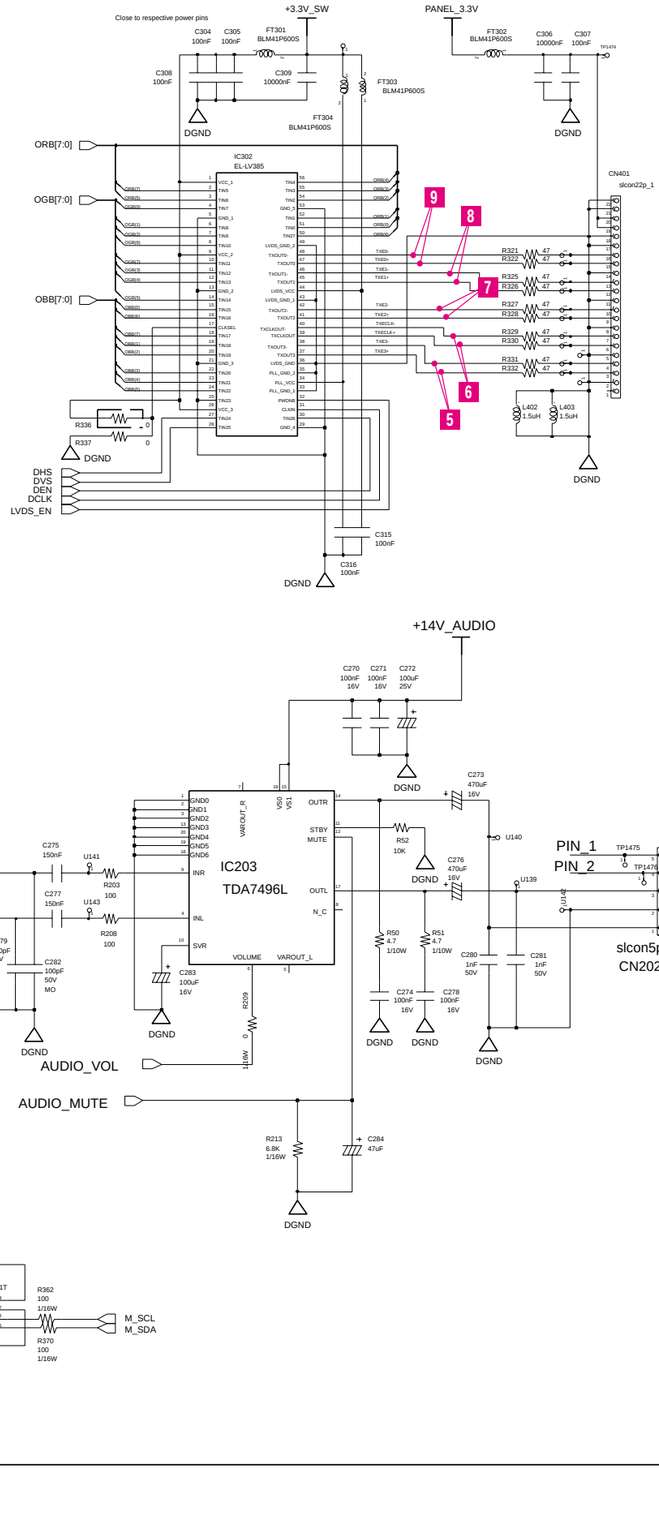
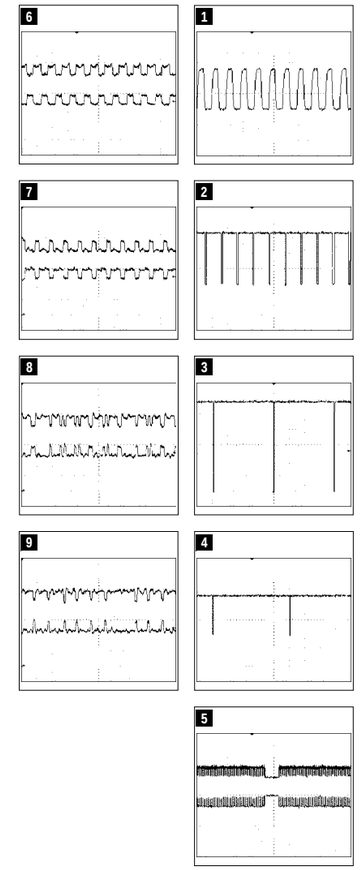
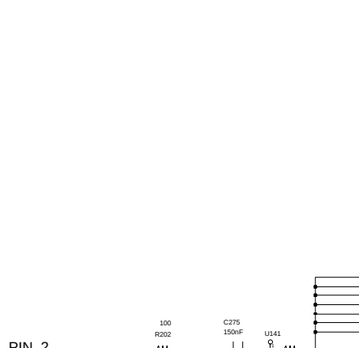
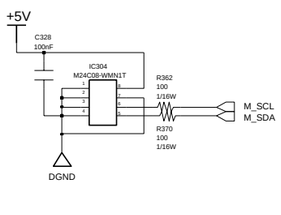
11-1-2 GY15MS* Schematic Diagram











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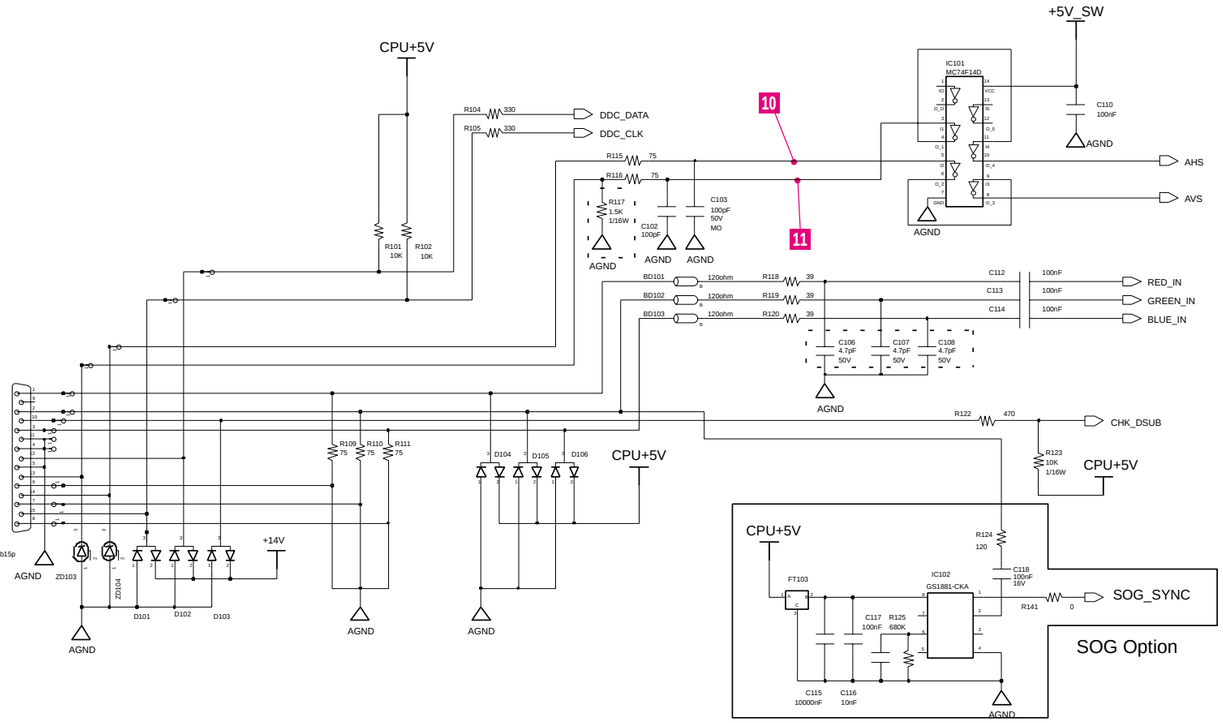
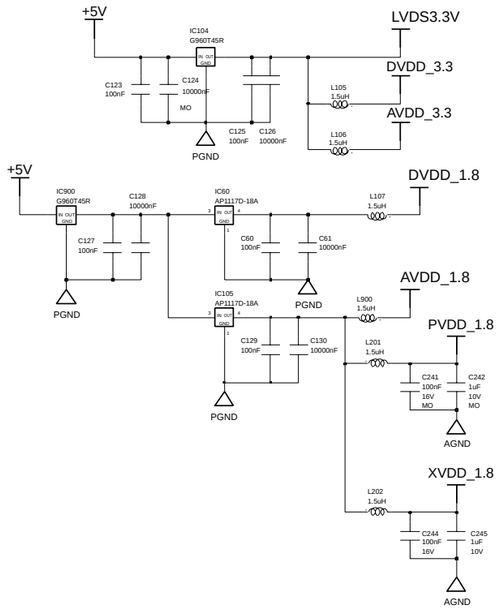
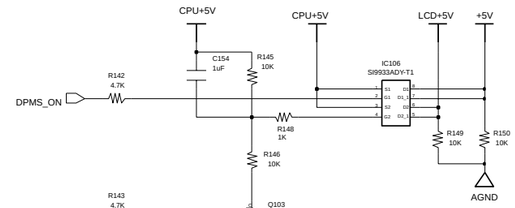
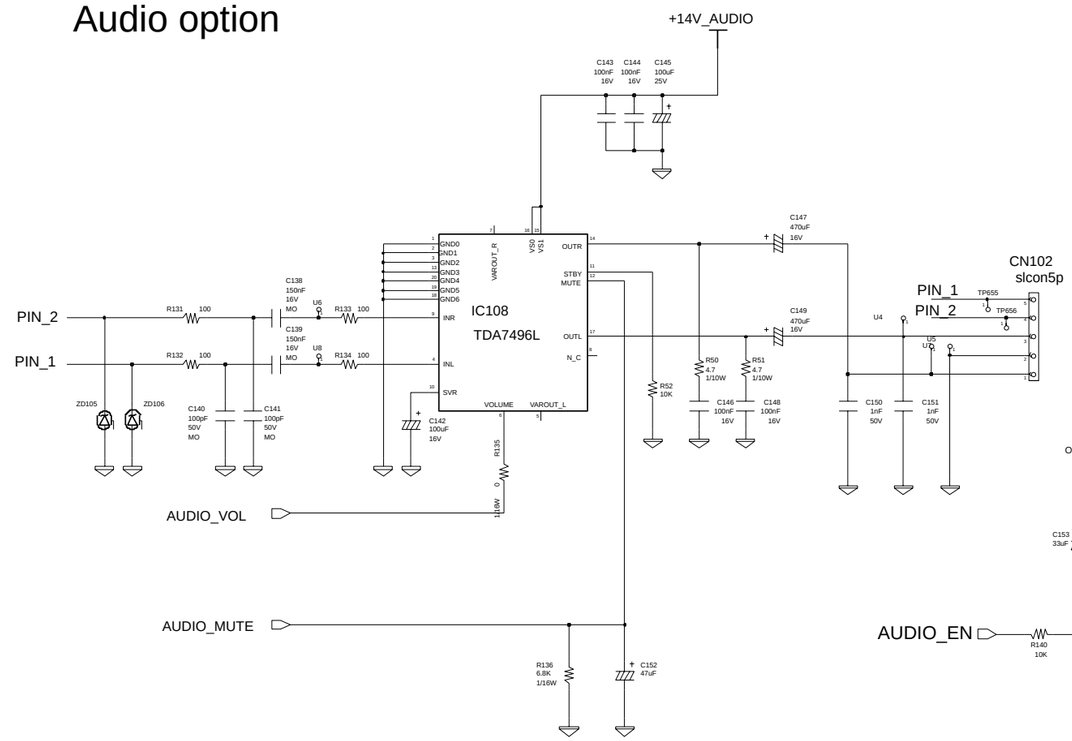
11-2 GY17MS* Schematic Diagram

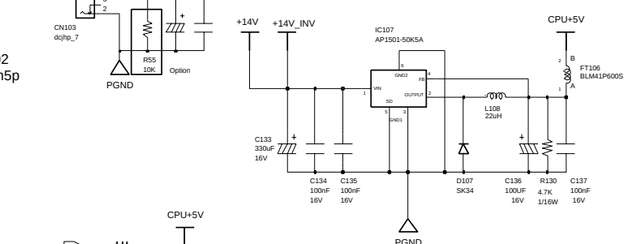


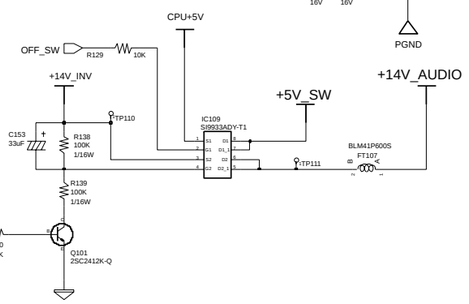




Audio option







FT 107
IC 109
D 107
ZD 106
BD 103
Q 103
L 108
C 154
R 150
CN 103

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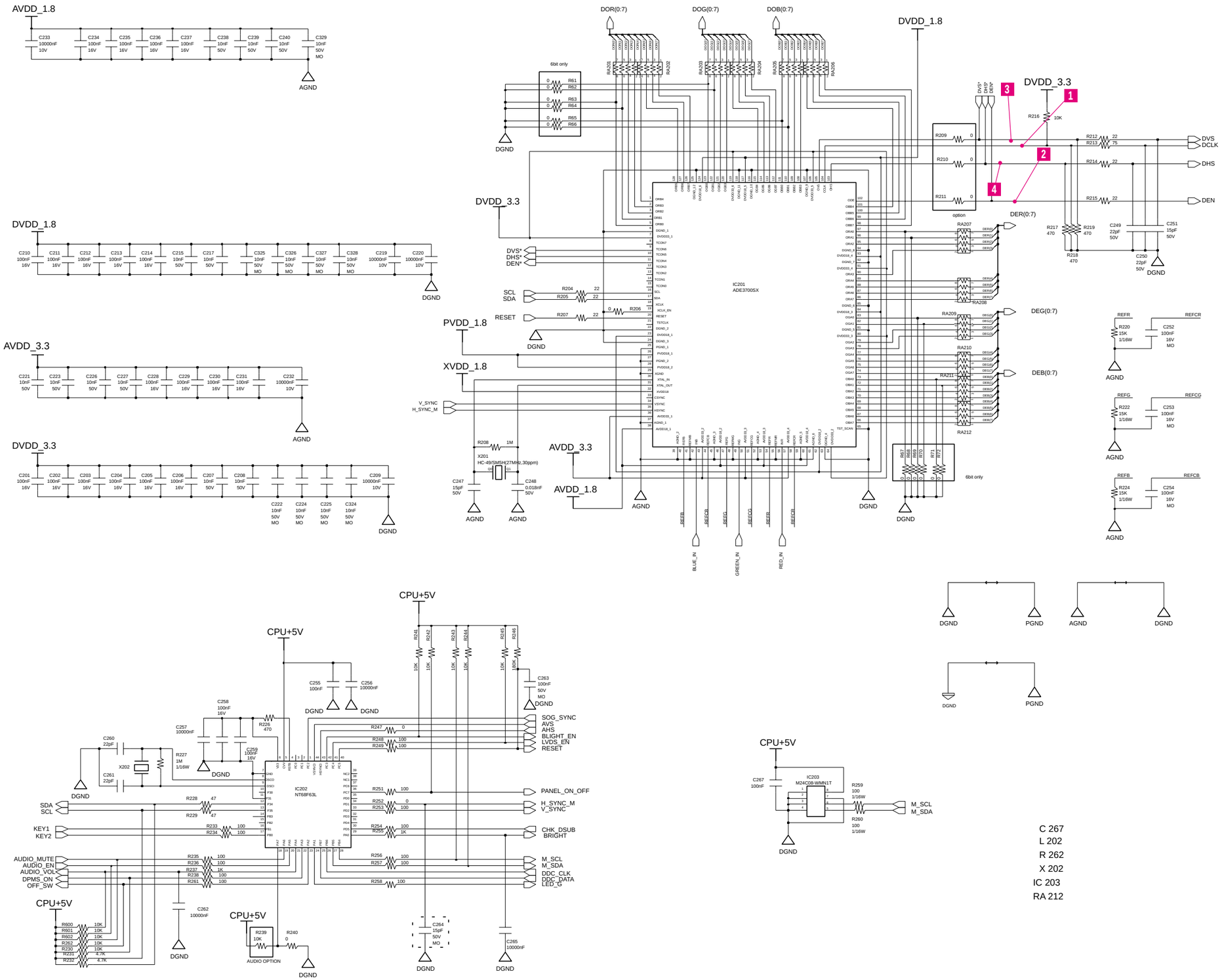
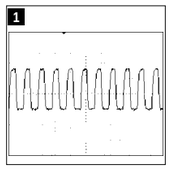
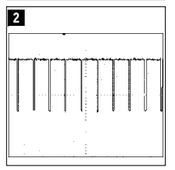
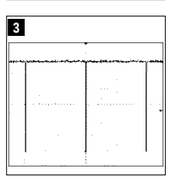
11-3 GY17MS* Schematic Diagram

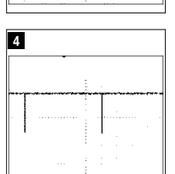


C 267
L 202
R 262
X 202
IC 203
RA 212









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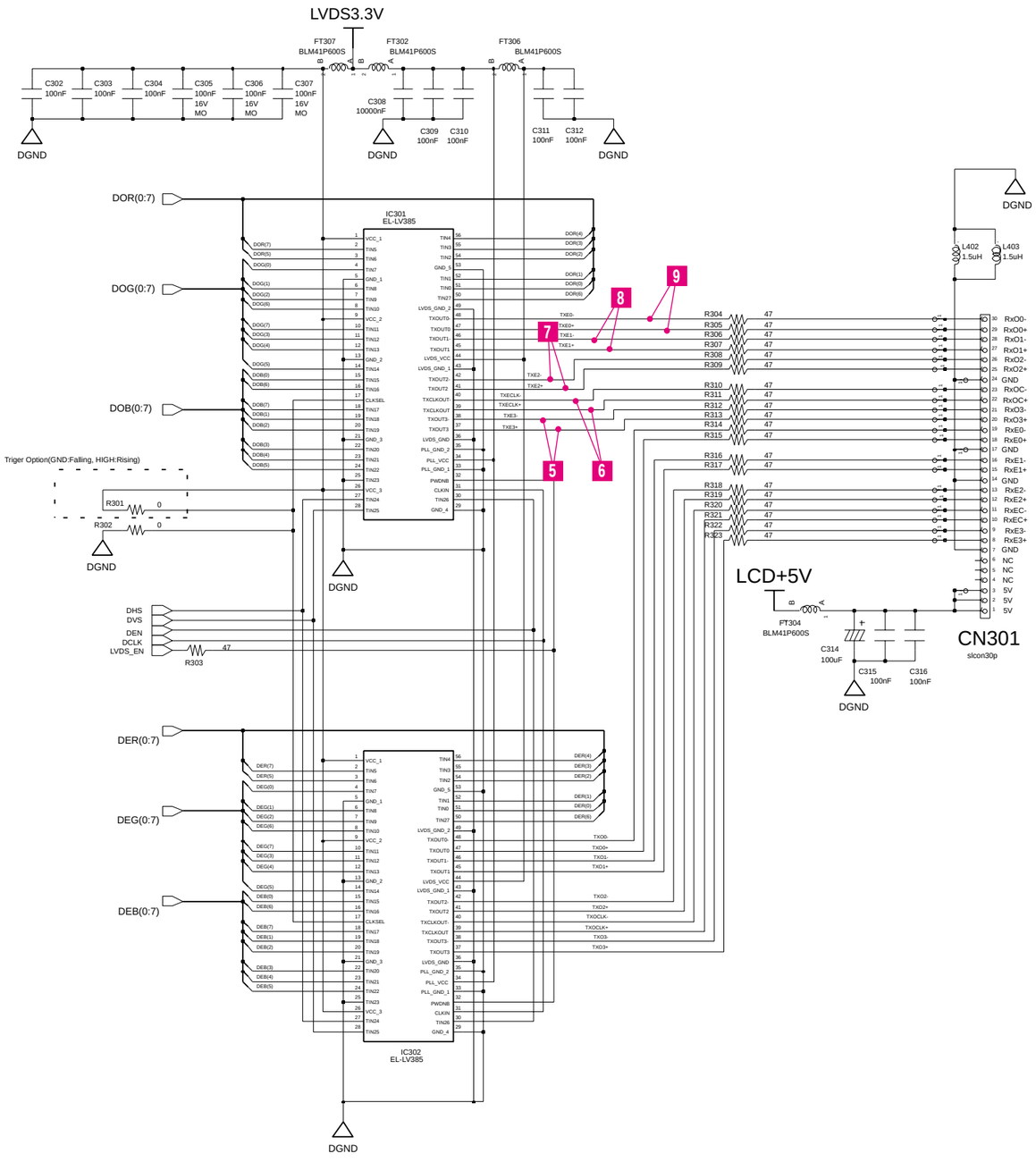
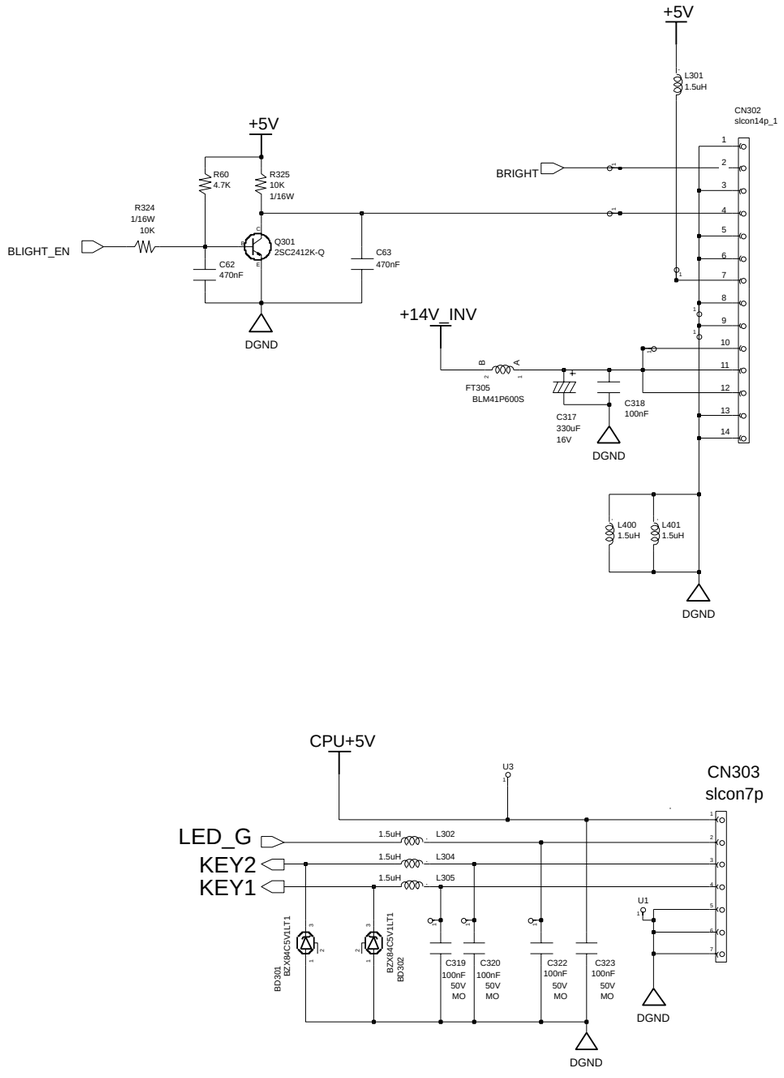
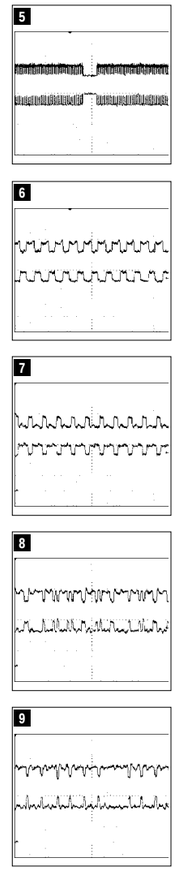
11-4 GY17MS* Schematic Diagram







C 323
R 325
IC 302
FT 305
CN 303
Q 301
L 305
BD 302

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